Construction News

RAILWAYS—STEAM AND ELECTRIC

Proposed Work

New York—International Railway Co., Buffalo, granted franchise to double-track line on Elmwood Ave., about 1 mi. J. C. Sheldon, Buffalo, Pur. Agt. Noted Sept. 21.

New York—International Railway Co., Buffalo, granted franchise by Council to double-track line and operate cars through Franklin St. from Chippewa to Allen St. J. C. Sheldon, Buffalo, Pur. Agt. Noted June 8.

Virginia—T. S. Wheelwright, Pres. Virginia Rys. and Power Co., Richmond, interested in railway from Richmond to Forest Hill and Bon Air, about 7 mi.

Georgia—Georgia & Florida R.R. and Atlanta, Birmingham & Atlantic R.R. plans to extend lines from Atlanta to Savannah. E. B. Eppes, Augusta, Ch. Engr. of former and L. L. Beall, Atlanta, of latter.

Georgia—Rome & Northern Ry. plans to extend line from Gore to Subligna, about 9 mi. H. H. Shackleton, Rome, Gen. Mgr.

Louisiana—Atchison, Topeka & Santa Fe Ry. plans line from Oakdale to New Orleans, about 150 mi. C. F. W. Felt, Chicago, Ch. Engr.

Tennessee—Cincinnati, New Orleans & Texas Pacific Ry. plans branch to new industrial section, North Chattanooga, about 7 or 8 mi. C. Dougherty, Cincinnati, Ch. Engr.

Kentucky—Mowbray & Robison Co., 8th and Horn St., Cincinnati, plans railway in Leslie County, Hyden, to timber and coal lands.

Indiana—M. J. Dale, of Dale & Dale, 943 Mercantile Library Bldg., Cincinnati, interested in railway from Aurora to Scottsburg. About $1,500,000.

Illinois—Chicago, North Shore & Milwaukee Electric Railway, Highwood, plans to extend Libertyville and Area branch to tap lake districts of county. Line may eventually be extended to Woodstock and McHenry. W. D. Johnson, 209 South La Salle St., Chicago, Receiver.

Wisconsin—Wisconsin Valley Electric Ry. plans to extend Wausau branch from Wausau to Stevens Point and possibly Grand Rapids. M. C. Ewing, 209 3rd St., Wausau, Gen. Mgr.

Oklahoma—Cheyenne Railroad Co. incorporated to build line from Strong City to Cheyenne, about 7 mi. J. C. Mytinger and J. R. Jones, Wichita Falls, interested.

Oklahoma—Tulsa Traction Co., Tulsa, plans extension to Sapulpa. A. J. Biddison, Tulsa, Vice-Pres.

Utah—Ogden, Logan & Idaho Railway Co. plans extension from Logan through Canyon to Bear Lake. R. W. Armstrong, Ogden, Ch. Engr.

Utah—Salt Lake & Ogden Railway Co. plans to double-track line from Clearfield to Layton, about 4 mi. J. M. Bamberger, Salt Lake City, Pres. and Gen. Mgr.

Quebec—Quebec Railway Light and Power Co., Quebec, plans about 4 mi. new track next year. H. G. Matthews, Crown and St. Josephs St., Quebec, Gen. Mgr.

Bids In and Contracts Awarded

Pennsylvania—Pennsylvania R.R. let contract improving Reed St. freight yards, Philadelphia, to J. MEEHAN & SONS, 915 West Dauphin St., Philadelphia. Noted Nov. 9.

West Virginia—Norfolk & Western Ry. plans to extend electric operation on main line from Vivian to Farm, about 11 mi., also extend Tug Fork Branch from Welch to Wilcoe, about 5 mi., and Bluestone Branch from Cooper to point beyond Simmons, about 3 mi. Part of work to be done by company forces and part by GIBBS & HILL, New York. Noted Aug. 17.

Illinois—Murphysboro & Southern Illinois Electric Railway Co. let contract extending line from Murphysboro to Carbondale to HEMAN CONSTRUCTION CO., Title Guaranty Trust Bldg., St. Louis, about $200,000.

Texas—Missouri, Kansas & Texas Ry. let contract steam-shovel work on line from Katy Junction to where main line will cross San Antonio River near Roosevelt Ave. to POTTER & HEAD, Chicago, about $90,000.

LIGHT, HEAT AND POWER

Proposed Work

Vt., Hawkesbury—Riordon Pulp and Paper Co. plans addition to boiler house. About $30,000.

Conn., Waterbury—A. H. Wells Co., Inc., making plans for 40x50-ft. power house. C. H. Preston, Jr., 136 Grand St., Waterbury, Arch.

Penn., Topton—Borough defeated $7,000 electric-light plant bonds.

Tenn., Memphis—Chickasaw Cooperage Co. will rebuild power house, recently destroyed by fire.

Ky., Olive Hill—See item under "Water-Works."

Ohio, Cleveland—City voted $1,750,000 bonds for extending and improving electric-light plant. W. E. Davis, 228 City Hall, Light Comr.

Ohio, Cleveland—Euclid-Dean Co., Euclid Ave. and East 105th St., plans power plant.

Ohio, East Palestine—Bd. Trustees of Pub. Affairs receiving bids Nov. 27 for power plant and water-works station. J. W. Smith, Clk.

Mich., Mt. Clemens—Mt. Clemens Gas Light Co. plans rebuilding its plant. About $30,000.

Wis., Sheboygan—Sheboygan Dairy Products Co. making plans for 1-story power house and dairy building. Juil & Sixta, Imig Bldg., 805 North 8th St., Sheboygan, Arch.

Minn., Erskine—City soon receives bids for sale of $5,000 bonds for electric-light system. O. H. Rash, Clk.

Minn., Ghent—Citizens' Light, Heat and Power Co. granted franchise for electric-light plant. C. Foulon, Pres.

Minn., Waconia—Northern States Power Co. plans transmission line from Waconia to Redwood Falls.

Neb., Bertrand—City voted $11,000 bonds for electric-lighting system.

Neb., Cortland—City plans electric-light and power plant.

Neb., Odell—J. Barry plans to rebuild electric-light plant destroyed by fire.

Mo., Sheridan—City plans electric-light plant.

Ark., Coal Hill—Ferguson & Hicks plan to rebuild electric-light plant destroyed by fire.

Ark., England—England Public Service Co. recently incorporated with $100,000 capital stock, plans electric-light plant in England.

Ark., Heber Springs—Arkansas Hydro-Electric Co. plans to improve plant. G. A. Watkins, Little Rock, Secy.

Tex., Hemphill—Knox Lumber Co. will build electric-light and power plant at Hemphill to furnish light and power for mills at East Mayfield.

Okla., Beaver—City election Dec. 11 to vote on $8,000 electric-light plant bonds.

Okla., Durant—North American Light and Power Co. making plans for electric-light and ice-storage plant. About $18,000. W. A. Boehr, 22 South Michigan Ave., Chicago, Pres.

N. Mex., Santa Fe—(Official)—C. G. Wilfong, Pres. Rio Grande Light, Heat and Power Co., 119 South 4th St., Philadelphia, receiving bids Jan. 2 for materials and work for hydro-electric development at mouth White Rock Canyon of Rio Grande River. A. G. Hillberg, Park Row Bldg., New York, Engr. (See adv. Nov. 16 issue.)

Ont., Grimsby—Radiest Electric Co. plans addition to plant. About $20,000.

Bids In and Contracts Awarded

Conn., Bridgeport—Crawford Laundry Co., 435 Fairfield Ave., let contract 1-story, 40x60-ft. boiler house and engine room to DOWLING & BOTTOMLEY, 1119 Broad St., Bridgeport.

N. Y., Utica—House of Good Shepherd, 446 Genesee St., let contract 1-story, 30x75-ft. boiler house to GRIFFITHS & PIERCE, 618 Charlotte St., Utica. About $4,000.

Ill., Chicago—Metropolitan West Side Elevated Railroad Co. let contract sub-station to ADAMS CONSTRUCTION CO., 111 West Washington St., Chicago.

Wis., Valders—Wisconsin Condensed Milk Co., Burlington, let contract 1-story, 110x215-ft. power house to W. W. OFFLEIN, North Milwaukee.

Iowa, Cedar Rapids—Iowa Railway and Light Co. let contract hydro-electric plant to R. A. WALLACE, Downs, about $90,000.

BRIDGES

Proposed Work

Mass., Boston—New York, New Haven & Hartford R.R. plans to rebuild 11 bridges over streets of South Boston. About $1,000,000 E. Gagel, New Haven, Ch. Engr.

R. I., Providence—Citizens voted $300,000 bridge bonds. M. H. Bronsdon, City Engr.

N. Y., Hinsdale—See item under "Streets and Roads."

N. Y., Tonawanda—New York Central R.R. plans bascule bridge over Tonawanda Creek on Webster Ave. G. W. Kittredge, Grand Central Terminal, New York, Ch. Engr.

N. J., Newark—Bd. Freeholders, Essex County, plans concrete bridge over Second River on Mt. Prospect Ave.

Penn., Lebanon—City plans 8 bridges. P. A. Voicker, City Engr.

Va., Abingdon—Holston River Lumber Co. plans 200-ft. steel bridge. H. T. Ballah, Ch. Engr.

N. C., Charlotte—(Official) Comrs. Mecklenburg and Gaston Counties receiving bids Nov. 27 for bridge over Catawba River at Sloans Ferry. M. McDonald, Charlotte, Chn. Comrs. Mecklenburg County. Noted Oct. 19.

Ga., Augusta—City Comrs. plan rebuilding bridges. N. Wingfield, City Engr.

Fla., Bradentown—Manatee County made plans for Bradentown-Palmetto Bridge over Manatee River. Election soon to vote on bonds. Address County Clk., Bradentown.

Ala., Florence—Lauderdale County receiving bids Dec. 10 for bridge over Little Cypress Creek near Sharp's Mill and one over Second Creek at Sledge Ford. Address County Clk., Florence.

Ala., Montgomery—Montgomery County voted $50,000 bonds for bridge over Tallapoosa River between Montgomery and Elmore Counties. Address County Clk., Montgomery. Noted Oct. 26.

Ala., Montgomery—Central of Georgia R.R. plans bridge over railway tracks at Oakwood Cemetery. C. K. Lawrence, Savannah, Ch. Engr.

Ala., Seale—(Official)—Russell County receiving bids Dec. 7 for rein.-con. bridge over Brush Creek on Tuskegee and Columbus Rd. W. S. Keller, Montgomery, State Highway Engr. Noted Oct. 26.

Ky., Covington—Citizens voted $40,000 bonds for bridge over Licking River. Bids soon. H. G. Meiners, City Engr. Noted Sept. 28.

Ky., Richmond—Madison County votes Dec. 7 on $35,000 bonds for bridge across Kentucky River at Clays Ferry. Address County Clk., Richmond. Noted Sept. 14.

Ohio, Cincinnati—Hamilton County made plans for bridge over Mill Creek on North Bend Rd. About $46,000. W. Boeh, Cincinnati, County Surv. Noted Sept. 28.

Ohio, Cincinnati—City making plans for improving Walnut St. from Court to 12th St. by lowering canal bridge to boulevard level and paving roadway, wood block. About $25,000. F. S. Krug, City Engr.

Ohio, Cleveland—Cuyahoga County Comrs. receiving bids Dec. 2 for bridge work per Report No. 3968. R. Hoffman, City Engr.

Ohio, Covington—See item under "Streets and Roads."

Ohio, Springfield—Council passed resolution to repair Dugan St. Bridge. About $8,000 or $10,000. M. J. Bahin, City Engr.

Ohio, Steubenville—Jefferson County Comrs. plan 150-ft. steel bridge. Address County Clk., Steubenville.

Ind., Bloomington—Illinois Central R.R. plans rein.-con. bridge over College Ave., also steel bridge over Walnut St., about $24,000. A. S. Baldwin, Chicago, Ch. Engr.

Ill., Chicago—City soon receives bids for Orleans-Franklin St. Bridge. About $600,000. J. Ericson, City Engr.

Ill., Chicago—Dept. Pub. Wks. and Sanitary Dist. of Chicago plan lift bridge over Chicago River on 12th St. Project requires about 2,500 tons steel and 2,100 sq.yd. creosote blocks, $600,000. Strauss Bascule Bridge Co., 104 South Michigan Ave., Engr.

Ill., Wilmington—City plans bridge over Kankakee River. N. Engels, Superv.

Wis., Beloit—(Official)—City plans rein.-con. bridge on East Grand Ave. over Rock River. G. E. Heebink, City Engr.

Wis., Readstown—City plans bridge across Kickapoo River.

Iowa, Ames—State Highway Comn. plans 3 bridges over Skunk River. D. L. Teal, Ames, County Engr.

Iowa, Centerville—Appanoose County made plans for 3 bridges. A. H. Withington, Centerville, County Engr.

Iowa, Council Bluffs—Pottawatomie County defeated $200,000 bonds for bridge from Council Bluffs to Omaha. Noted July 27.

Iowa, Des Moines—Council passed ordinance for viaduct over High St. K. Kastberg, City Engr.

Iowa, Indianola—Warren County made plans for bridges. F. O. Laing, Indianola, County Engr.

Iowa, Maquoketa—Jackson County made plans for bridges. C. M. Fisher, Maquoketa, County Engr.

Minn., Ivanhoe—Lincoln County making plans for Bridge No. 2353, Marshfield Township. K. A. Hanson, Audr.

Minn., Litchfield—Meeker County receiving bids Dec. 13 for pile trestle bridge 112-ft. long over inlet at Lake Koronis, Sect. 2, Union Grove. A. O. Palmquist, Litchfield, Audr.

Bridges (Continued)

Kan., Ellsworth—(Official)—County receiving bids Dec. 20 for concrete bridge across Smoky Hill River. About $30,000. A. J. Klirgersmith, Ellsworth, County Clk. Noted Oct. 26.

Kan., Olathe—Johnson County receiving bids Dec. 16 for south approach to Burton Bridge, 2 abutments and approach and moving Renner Bridge; also building Friend Bridge. W. J. Moore, Olathe, County Clk.

Mo., Cailllicothe—Livingston County receiving bids Dec. 9 for 7 bridges. J. Broaddus, Chillicothe, Bridge Comr.

Mo., Unionville—Putnam County voted $100,000 bonds for bridges. Address County Clk., Unionville.

Ark., Arkadelphia—Clark County plans steel bridges over Little Missouri River, near Wheelen Springs, Bear Creek, near Okolona, South Fork Creek near Gurdon, Terre Noire Creek at Cypress Ford and Neely Creek, Vierne Township, 6 in all. Address County Clk., Arkadelphia.

Tex., Cleburne—City plans bridge over West Buffalo Creek. J. Buckner, City Engr.

Tex., Waco—City soon lets contracts for bridges and culverts. About $25,000. G. G. Gunley, City Engr. Noted Nov. 16.

Okla., Pawhuska—City receiving bids Dec. 4 for 510-ft. rein.-con. bridge over Bird Creek. About $350,000. J. M. Buckley, City Engr. Noted Aug. 10.

Okla., Tahlequah—Cherokee County defeated $100,000 bridge bonds. Noted Sept. 28.

Wash., Ellensburg—See item under "Streets and Roads."

Wash., Port Townsend—See item under "Streets and Roads."

Wash., Seattle—Bd. Pub. Wks. appropriated $7,500 for temporary draw span in Latona Bridge. F. A. Rapp, Bridge Engr.

Wash., Shelton—See item under "Streets and Roads."

Wash., Tacoma—Pierre County plans Scherzer rolling lift bridge over Hylebs Creek on Lincoln Ave. Rd. About $20,000. W. C. Saleigh, Tacoma, Engr.

Ore., Wasco—Sherman and Gilliam Counties making plans for 2 bridges over John Day River, 2-span, 310-ft. structure on Wasco-Pendleton Rd. at McDonald Ferry and Cottonwood Bridge, 80-ft. span on Condon Rd. Address Sherman County Clk., Moro.

Calif., Yuba City—(Official)—City defeated $300,000 bridge bonds. Noted Oct. 19.

Ont., Toronto—(Official)—County receives bids soon for steel or rein.-con. bridge on Dundas St., Halton County. W. Panton, Milton, County Clk. Bowman & Connor, 31 Queen St., W., Toronto, Consult. Engr. Noted Nov. 2.

B. C., Victoria—Council plans to call election in January to vote on additional appropriation of $8,200 for repairing Rock Bay Bridge. C. H. Rust, City Engr. Noted Apr. 20.

Bids In and Contracts Awarded

R. I., Providence—City rejected bids for railroad trestle at Municipal Wharf, Fields Point. M. H. Bronsdon, City Engr.

Conn., New London—(Official)—New York, New Haven & Hartford Railroad Co. received low bids substructure for Thames River Bridge from Holbrook, Cabot & Rollins Corp., Boston; Foundation Co., 233 Broadway, New York; Union Bridge and Construction Co., Kansas City, Mo.; contract for steel let to AMERICAN BRIDGE CO., 30 Church St., New York. Noted Nov. 16.

N. Y., New York—(Manhattan)—(Official)—Low bidders improving southerly portion Manhattan Bridge were P. T. Cox, 736 Prospect Pl., Brooklyn, $104,806; Snare & Triest Co., Woolworth Bldg., $116,400; T. Dwyer, Broadway and 216th St., $122,866. Noted Nov. 9.

N. J., Jersey City—Hudson County let contract to W. J. COUGHLIN, 665 Newark Ave., for steel bridge with concrete retaining wall at Woodcliff, North Bergen, $51,000. Noted Nov. 2.

Penn., Clifton Heights—County let contract Kents Mill Bridge to WHITAKER & DIEHL, Harrisburg, about $7,886.

Penn., Huntingdon—Huntingdon County let contract bridge in Todd Township to R. R. MYERS, Lewistown.

Penn., Philadelphia—Low bidders repairing Wayne Ave. Bridge were: M. & J. B. McHugh, 892 North Market St., $21,500; W. A. Mundy, 223 South 9th St., $22,506; F. J. Boas, 201 North Broad St., $24,100.

S. C., Bennings—City rejected bids highway bridge or viaduct over railway tracks, as too high.

Ohio, Youngstown—H. B. Reinsayer, Principal Asst. Engr., New York Central R.R., let contract bridge over railway tracks on East Federal St. and Himrod Ave. to HELLER BROS., Youngstown, $110,165. Noted Aug. 3.

Ind., North Vernon—Jennings County let contract approach and fill to Tobias Ford Bridge, Marion Township, to O. N. DAVIS, R. R. No. 1, Paris Crossing.

Wis., Ashland—Ashland County let contract bridge over White River to NORTHWESTERN STEEL CO., Minneapolis, about $5,000.

Iowa, Rock Rapids—Lyon County let contract 80-ft. bridge to WESTERN BRIDGE AND CONSTRUCTION CO., Omaha, about $14,795. Noted Nov. 2.

Minn., Crookston—Polk County let contract 9 bridges to GREAT NORTHERN BRIDGE CO., 635 Lumber Exchange, Minneapolis. Noted Aug. 31.

Kan., Olathe—(Official)—Johnson County let contract steel truss bridge to J. H. COSGROVE & SON, Olathe. About $19,000. Noted Nov. 9.

Kan., Ottawa—(Official)—Franklin County let contract to R. D. LOGAN, Richmond, $6.85 per yd. for concrete abutments for Geiger Bridge across Hickory Creek in Peoria Township. Noted Nov. 2.

Mont., Hamilton—Ravalli County let contract bridge over Bitter Root River to O. E. PEPPARD, Missoula, about $8,000.

Mo., Kansas City—City let contract rein.-con. bridge over Shuttle Creek to P. A. HARTUNG, 200 Bryant Bldg., about $4,000. Noted Nov. 16.

Tex., Coleman—Coleman County Comrs. Court let contract 5 bridges to MISSOURI VALLEY BRIDGE AND IRON CO., $9,500.

Okla., Fairview—Major County let contract bridges across Barney and Sand Creeks to TOPEKA BRIDGE AND IRON CO.

Okla., Pond Creek—(Official)—Chicago, Rock Island & Pacific Railway Co. let contract substructure steel bridge over Salt Fork of Arkansas River at Pond Creek to AMERICAN BRIDGE CO., 208 South La Salle St., Chicago, superstructure to be built by company forces. About $125,000. Noted Nov. 9.

Okla., Tecumseh—Potawatomie County rejected bids for 2 bridges and culvert. Noted Oct. 26.

Okla., Tulsa—Tulsa County Comrs. let contract approaches to Arkansas River Bridge No. 150 to J. LANGTRY, Tulsa, $31,082. Noted Oct. 26.

Calif., San Anselmo—City rejected bids for Lansdale Bridge. Noted Oct. 5.

Calif., Santa Ana—(Official)—County rejected bids for concrete bridge at Balboa Palisades. W. B. Williams, Santa Ana, County Clk. Noted Nov. 2.

Calif., Santa Barbara—W. M. Ledbetter, Pacific Electric Bldg., Los Angeles, submitted low bid for concrete arch bridge across Gaviota Creek on State Highway, Fourth Rd. Dist., at $9,450.

WATER-WORKS

Proposed Work

Mass., Lenox—Pub. Ser. Comn. voted to build 52,000,000-gal. reservoir below present Root Reservoir on Richmond Mountain. About $87,000.

Mass., Springfield—City plans $100,000 bond issue for water-works. F. E. Stacy, Mayor.

Conn., Watertown—City plans improving water system. E. W. Wheeler, Supt.

N. Y., Auburn—(Official)—City receives bids about January for filter plant. About $200,000. J. W. Askerman, Supt. Hazen & Whipple, Engr. Noted Nov. 16.

N. Y., Canton—City election Nov. 23 to vote on $180,000 bonds for gravity system water-works. L. R. Smith, Supt. Noted Sept. 28.

N. Y., Lockport—City plans pipe line to carry city water to site of proposed tuberculosis hospital. About $10,000. H. L. Lyon, Deputy Comr. and Supt.

N. Y., Rome—City plans water main in Francis St. R. Armstron, Supt.

N. Y., Troy—Council passed ordinance for water mains in portion Brunswick Ave. J. M. Diven, Supt.

N. J., Bridgeton—(Official)—City receiving bids Dec. 5 for furnishing all materials and labor, making all excavations and backfilling and building rein.-con. coagulation basin gate chambers complete, including furnishing and placing sluice gates, special fittings and pipe. J. B. Jones, City Clk. (See adv.)

N. J. Jersey City—City Comn. receiving bids Nov 28 water gate boxes and covers, manhole heads and covers, special castings, bends, branches, etc. M. I. Fagan, City Clk.

N. J., Newark—Bd. Wks. plans to spend about $320,000 for remaining 40% of unmetered water connections throughout city. G. Sanzenbacher, Supt. and Engr.

Penn., Erie—Bd. Water Comrs. receiving bids Dec. 6 for 20,000,000-gal. pumping engine. Chester & Fleming, Pittsburgh, Engr. Noted July 27.

Penn., Kennett Square—Borough soon receives bids for improving water system. W. Vandever, Supt.

Penn., Monaca—M. Baker, Boro. Engr., made plans for improving reservoir on Monaca Heights. Noted May 25.

Penn., Philadelphia—Bureau of Water plans following improvements: Replacing Fairmount Dam, $450,000; street-flushing connection, $125,000; extending and improving Delaware River Works to include new pumping station, new mains and filters at Torresdale, $5,100,000; extending water system in northeast section, $1,250,000; new pipe line extensions, $100,000. A. J. Fuller, Supt.

Penn., Seward—(Official)—Citizens defeated bonds for reservoir and pipe line. Noted Nov. 9.

Penn., Topton—Borough defeated $16,000 water-works bonds. Noted Aug. 31.

S. C., Bishopville—City votes Dec. 12 on $10,000 bonds for improving and extending water system. S. R. Sutton, Supt.

Fla., New Smyrna—City plans water system.

La., New Orleans—See item under "Sewers."

Ky., Murray—Citizens voted $20,000 bonds for water system and electric-light plant. X. A Kramer, Magnolia, Engr. Noted Mar. 2.

Ky., Olive Hill—City plans to install water and light systems. About $10,000.

Ohio, Cleveland—City receiving bids Dec. 6 for rebuilding clear water basin of Division Ave. filter plant. About $100,000. C. F. Schultz Comr. and Supt. Noted Nov. 9.

Ohio, Dayton—City sold $70,000 water-works bonds. H. E. Collins, Supt. Noted Sept. 7.

Ohio, Fostoria—City plans to spend about $4,000 for improving water-works. Noted June 1

Ohio, Greenville—City has $350,000 available for water system. Contracts for this amount will soon be let. J. P. Lucas, Supt.

Ohio, Lima—(Official)—City receiving bids Dec. 14 for improving water system. Contract No. 3. About $500,000. R. W. Pratt, Hippodrome Bldg., Cleveland, and W. G. Clark, Spitzer Bldg., Toledo, Consult. Engr. Noted Oct. 26. (See adv.)

Ohio, Lorain—Council passed ordinance for water main in portion Colorado Ave. L. M. Moore, Mayor.

Ohio, Lowellville—City to sell $25,000 water-works bonds Dec. 11. J. F. Lash, Clk.

Ohio, Piqua—Citizens defeated $380,000 water bonds. Noted Oct. 5.

Ohio, Ravenna—City to let contract for 2,000,000-gal. filter plant in about 2 months. About $125,000. Noted Nov. 9.

Ohio, Wooster—City voted $80,000 bonds for water system. Noted Nov. 9.

Ind., Connersville—City plans water system on East Side. J. C. Massey, Supt.

Mich., Mendon—City election Dec. 4 to vote on water-works bonds. A. H. Smith Co., Toledo, Consult. Engr. Noted Nov. 2.

Mich., Wyandotte—City Comn. approved plans for filter plant. A. S. McClenahen, Supt.

Ill., Berwyn—City receiving bids about Dec. 16 for water main in 22nd St., 3 mi. of 6-in. main. B. Strutzenburg, Engr.

Ill., Chester—Chester Light and Water Co. plans purification plant.

Ill., Fisher—Village receives bids about Feb. 1 for 20,000 ft. of 4-ft. 8-in. trench for 6-, 8- and 4-in. Class B water mains, one 10-in. well, brick pumping station, two pressure tanks and 1 steam pump for filter plant. About $26,100. J. E. Pickens, Kankakee, Engr. Noted Nov. 2.

Ill., Freeport—Water Com. recommended extending water main along Empire and Blackhawk St. and Highland Ave.

Ill., Rontoul—City defeated $6,500 water bonds.

Ill., Wilmington—City receiving bids Nov. 2 for well. L. Monsen, City Clk. Noted Nov. 16.

Wis., Lancaster—Chicago Bridge and Iron Works, Chicago, submitted estimate for 200,000-gal. tank to cost $12,800; 250,000-gal. tank at $15,600. J. H. Stephens, Supt. and Engr. Water Wks.

Wis., Sturgeon Bay—City to vote Mar. 1 on $35,000 water bonds. Noted May 18.

Iowa, Carroll—City plans to extend 4- and 6-in. water mains. G. C. Beiter, Supt.

Iowa, Grinnell—(Official)—City election Dec. 6 to vote on $10,000 water bonds. T. A. Crosby, City Mgr. W. A. Hendry, Supt. Noted Nov. 2.

Iowa, Imogene—City plans water and sewer systems.

Iowa, Waterloo—Water Trustees authorized 12-in. main on portion Conger Ave., Chautauqua Park and across river to supply residents of Sans Souci, also 1,000 ft. of 6-in main on Gates St., San Souci, and 6-in. main portion Sullivan St. J. P. Perry, Supt. Noted July 27.

Minn., Duluth—Duluth Water and Light Dept. soon receives bids for pumping station at Lakewood. L. Merritt, Comr.

Minn., Gaylord—See item under "Sewers."

Minn., Glencoe—City voted $250,000 water bonds.

Minn., Ironton—City voted $15,000 water bonds. E. A. Burns, Clk.

N. D., Grand Forks—City voted $25,000 for filter plant. J. J. Smith, Supt. Noted Nov. 2.

N. D., Hankinson—City receiving bids Dec. 1 for water system. About $20,000. J. F. Druar, 312 Commercial Bldg., St. Paul, Engr. Noted Oct. 19.

Ark., England—Stuttgart Public Service Co., Stuttgart, has 50-year franchise to install water system.

Tex., Newcastle—City plans voting on bonds for water system.

Tex., Port Arthur—City voted $80,000 water bonds. D. K. Miller, Supt. Noted Nov. 2.

Okla., Beaver—City election Dec. 11 to vote on $17,000 water-works bonds.

Okla., Mangum—City election Nov. 29 to vote on $15,000 water-works bonds.

Okla., Marlow—City receiving bids Dec. 4 for water and sewer systems. About $50,000. Betham Engineering Co., Colcord Bldg., Oklahoma, Engr. Noted Oct. 26.

Water-Works (Continued)

Okla., Oklahoma—City receiving bids Dec. 5 for water system. Benham Engineering Co., Colcord Bldg., Engr. Noted Mar. 23.

Okla., Okmulgee—City soon receives bids for water system. About $25,000. M. N. Coles, City Engr. Noted Oct. 5.

Okla., Wilburton—City voted $55,000 water bonds. McIntosh-Walton Engineering Co., Oklahoma, Engr. Noted Oct. 26.

Idaho, Fayette—(Official)—City votes Dec. 2 on $8,000 water bonds. Noted Nov. 2.

Idaho, Grace—Citizens voted $16,000 bonds to purchase and improve water system.

Wash., Seattle—A. H. Dimock, City Engr., submitted report to Bd. Pub. Wks. for water mains and sewers in 40th Ave., N. About $18,500.

Calif., Coalinga—City voted $100,000 water bonds. F. G. Dessery, C. E. Central Bldg., Los Angeles, Engr. Noted Nov. 2.

Calif., Los Angeles—(Hollywood)—City voted $1,020,000 water bonds. W. E. Wern, Los Angeles, Mgr. Noted Nov. 2.

Calif., Redding—City plans new water system.

Ont., Geneva—City plans to add another unit to slow sand filter plant.

Ont., Sault Ste. Marie—Council plans to install 2 motor-driven pumps of 5,000,000 gal. capacity each.

B. C., Salmon Arm—City sold $42,500 waterworks bonds. F. Wilcox, City Clk.

Bids In and Contracts Awarded

Mass., Boston—Bd. Pub. Wks. let contract water mains in portion Washington and Dacia St. to J. GUARINO & SON, 43 Brook Ave., Roxbury.

N. Y., New York—(Manhattan)—(Official)—Boro. let contract for 12-in. steel or w.-i. water main and appurtenances on Queensboro Bridge, also hauling and laying connecting c.-i. mains in boroughs and Manhattan and Queens to T. CRIMMINS CONSTRUCTION CO., 440 East 69th St., $33,166. Noted Nov. 16.

N. Y., New York—(Official)—Dept. Water Supply, Gas and Electricity let contract furnishing, delivering, unloading, stacking and storing c.-i. pipe, special and valve-box castings, valves and double-nozzle hydrants to R. D. WOOD & CO., $22,726, Sect. 1; J. FOX & CO., 253 Broadway, $23,164, Sect. 2. Noted Nov. 9.

N. J., Newark—City let contract water pipe to WARREN FOUNDRY AND MACHINE CO., 11 Broadway, New York, about $73,867. Noted Sept. 28.

N. C., Tarboro—(Official)—City let contract water mains to J. W. PIERCE, Durham. Noted Nov. 9.

Ohio, Salem—City received low bids reservoir at pumping station from F. L. Stoffer, Washingtonville, about $17,000. Noted Nov. 2.

Ohio, Zanesville—City let contract pumping station, pump well, suction well intake and force main to DUNZWEILER BROS., Zanesville. Noted Nov. 16.

Ind., Earl Park—City let contract water system to NATIONAL CO., South Bend. About $6,000.

Mich., Pontiac—City received bids for new air compressor at water-works from Chicago Pneumatic Tool Co., Chicago, $7,489; National Supply Co., Toledo, $14,300 and $9,900; Worthington Pump and Machinery Corporation, New York, $9,555.

Ill., Aurora—(Official)—City let contract reln.-con. reservoir and appurtenances to LEYDEN-ORTSEIFEN CO., Monadnock Bldg., Chicago, $15,-490. Noted Oct. 26.

Wis., Oshkosh—Bd. Pub. Wks. let contract water tower to LARSON CONSTRUCTION CO., about $14,030. Noted Oct. 26.

Wis., Prescott—Village let contract 1,000-ft. 4-in. water main, 3 hydrants and 2 valves to UNION MACHINE CO., 183 University Ave., St. Paul, Minn. Noted Oct. 26.

Minn., Comfrey—Village let contract well to A. KIEL, Springfield.

Minn., Granite Falls—Tubercular Sanatorium let contract filter plant to C. ASH & SONS, 202 Maria Ave., Granite Falls. About $13,000.

Minn., Waseca—Water Bd. let contract triplex power pump and 2 motors to J. F. MUIR & CO., 2395 University Ave., St. Paul.

Kan., Argonia—(Official)—City let contract water system to BICKEL CO., Interstate Bldg., Kansas City, Mo., $15,112; tank and tower to DES MOINES BRIDGE AND IRON CO., Des Moines, Iowa, $4,030. Noted Nov. 9.

Mo., Rockport—City let contract water system to H. P. KOEHLER & CO., 220 Produce Bldg., Kansas City, about $8,400. Noted Nov. 16.

Tex., Cooledge—City let contract distributing system to DALTON-CAMPBELL CO., Dallas, $11,-678; tower and tank to PITTSBURGH-DES MOINES STEEL CO., Dallas, $4,850. Noted Oct. 19.

Tex., Hamlin—Council let contract water and distributing system to W. E. HENDERSON, Sweetwater, $31,400. Noted Sept. 21.

Tex., Sherman—(Official)—City to build 1,300,-000-gal. reservoir at Fairview Water Station, North Sherman, by city forces. About $15,000. Noted Nov. 2.

Wash., Puyallup—City let contract 96 tons c.-i. pipe to HAMMOND-BYRD IRON CO., Birmingham, Ala., $35.96 per ton. Noted Oct. 26.

Calif., Los Angeles—Los Angeles Water Wks. Dist. No. 3 let contract gate valves to H. R. BOYNTON CO.

Calif., Merced—Crocker-Huffman Land and Water Co. let contract 300,000-gal. steel tank to PITTSBURGH-DES MOINES STEEL CO. Noted Nov. 9.

N. B., St. John—(Official)—City let contract 5,000 ft. 24-in. and 1,600 ft. 8-in. c.-i. pipe to CANADA FOUNDRY CO., LTD., Three Rivers, Que., $24,000. Noted Nov. 9.

Que., Montreal—City let contract water meters to F. HANKIN & CO., 20 St. Nickolas St., about $25,092. Noted Jan. 6.

SEWERS

Proposed Work

N. Y., Albany—City plans sewers in Bradford and Ontario St. F. R. Lanagan, City Engr.

N. Y., Auburn—City plans storm-water sewers. T. Bergen, City Engr.

N. Y., Larchmont—(Official)—Village Bd. Trustees receiving bids Dec. 4 for system of sewers. E. D. Wakeman, Clk. L. E. Van Etten, 12-14 Lawton St., New Rochelle, Engr. (See adv.)

N. Y., New York—(Queens)—M. E. Connolly, Boro. Pres., Queens Subway Bldg., 68 Hunters Point Ave., Long Island City, receiving bids Dec. 1 for sewers and appurtenances in portions Decatur, Butler, Curtis, Ericcson, Gilmore, McPherson and Chaffee St., Edison Pl., Grand and Hull Ave., 2nd Ward; Nott Ave., 1st Ward; Robinson and Phillips Ave. and Narcissus St., 3rd Ward; Forest Pkway, Ferry, Ashland, Chestnut St., Kimball, Herald, Atlantic, Benedict, Hatch and Jamaica Ave., 4th Ward.

N. Y., Syracuse—City plans 18-in. sewer from Onondaga Creek to Sand St. and 15-in. sewer in Spencer St. H. A. Allen, City Engr.

N. J., Glassboro—City making plans for sewage-disposal plant. DeVore & McGormley, Toledo, Engr.

N. J., Hammonton—City making plans for sewers, about $25,000. Remington & Vosburg, Camden, Engr.

N. J., Palisades Park—(Official)—Mayor and Council, Borough Hall, receiving bids Nov. 28 for about 12,973 ft. of 8-in. sewer, 1,963 ft. of 10-in. sewer, 82 ft. of 12-in. sewer, 298 ft. of 16- and 20-in. c.-i. pipe sewer, 62 manholes and siphon under Northern R.R. E. R. Davis, Clk. Lozier, Zabriskie & Van Keuren, Broad Ave. and Central Blvd., Engr. (See adv.)

N. J., Passaic—Council passed ordinance for sewer in Brook Ave. C. R. Wise, City Engr.

N. J., Rahway—Bd. Health authorizes sewers in portion East Milton Ave. F. Marsh, City Engr.

Penn., Charleroi—City plans sewage works. H. Brown, City Engr.

Penn., College Hill—(Easton P. O.)—Borough voted $30,000 for trunk lines of sanitary sewer system.

Penn., Lebanon—City plans storm sewer, about $48,000. P. L. Volcker, Engr.

Penn., McKeesport—City making plans for sewer in Fremont Ave. J. M. Smith, People's Bank Bldg., Engr.

Penn., Waynesboro—(Official)—City voted $28,-000 bonds for sewers. Noted Oct. 5.

Penn., Williamsport—F. Gannett, Harrisburg, Engr., submitted report to Council estimating cost of installing sewage plant, sewers, filter beds and pumping stations at $304,000.

Penn., Winton—Borough receiving bids Nov. 28 for sanitary sewer system. M. E. Judge, Church St., Jessup, Secy. Council. W. A. Taylor, Borough Bldg., Olyphant, Engr.

La., New Orleans—City receives bids Dec. 21 for 3 12-ft. steel discharge pipes for drainage pumps, Contract 78D. W. J. Hardee, City Engr.

La., New Orleans—Sewerage and Water Bd. receiving bids Nov. 29 for sewers and water-works. G. G. Earl, Gen. Supt.

Ky., Louisville—Bd. Pub. Wks. receiving bids Nov. 25 for sewer in portion Preston St. About $30,000. R. Burks, City Engr. Noted Oct. 26.

Ohio, Barberton—City plans sewage works near the junction of Wolf Creek and Tuscarawas River. About $150,000. H. W. Alcorn, City Engr.

Ohio, Cleveland—City made plans for sewage-disposal system, 1 set plans provides for 1 main plant south of city, about $150,000, and other for 3 small plants in different parts of city, about $166,000. R. W. Pratt, Hippodrome Bldg., Engr. Noted Nov. 16.

Ohio, Elyria—City plans sewage works. C. M. Theobald, City Engr.

Ohio, Findlay—City plans sewer in first alley east of Main St. U. K. Stringfellow, City Engr.

Ohio, Hamilton—City defeated $100,000 bonds for storm and sanitary sewers. F. E. Weaver, City Engr. Noted Oct. 26.

Ohio, Newark—City soon lets contract for sewer in portion West Main St. C. H. Wells, City Engr. Noted Nov. 2.

Ohio, Norwood—City making plans for sewer in Station Ave. J. G. Schmidt, City Engr.

Ohio, West Park—Village receiving bids Nov. 27 for sewer in Lorain Ave. Fred Feuchter, Village Clk.

Ohio, West Park—City receiving bids Dec. 19 for purchase of $20,000 sewer bonds. F. Feuchter, Clk.

Ohio, Wilmington—City plans sewage works.

Ohio, Worthington—Jennings, Lawrence & Lindsay, Engr., Columbus, submitted report to Council estimating cost of sewers, including disposal plant and main trunk sewer line at $120,000.

Ohio, Youngstown—City plans sewer in Shady Run Sewer Dist. F. M. Lillie, City Engr.

Ind., East Chicago—Bd. Pub. Wks. plans 2-mi. vitrified sewer pipe. C. K. Wallace, City Hall, Engr.

Mich., Flint—City making plans for West Side sewer, 17,000 ft. rein.-con. pipe. About $400,000. E. C. Shoecraft, City Engr.

Mich., Lansing—Plans made for Smith, Barnes and Mt. Hope sewers. About $9,250. E. G. Eddy, City Engr.

Mich., Plymouth—City to receive bids in spring for sanitary sewer system and disposal plant. About $30,000. Head & Decker, U. of M., Ann Arbor, Engr. Noted Sept. 28.

Mich., Sault Ste Marie—City making plans for sewers in portion Portage Ave., Magazine and Ashmun St. R. A. Fredericks, City Engr.

Ill., Rock Island—City plans sewage works and sewer in Southwest Dist. W. Treichler, City Engr.

Ill., Wilmington—City plans sanitary and storm sewers. About $100,000.

Wis., Lake Mills—(Official)—City receives bids about April for septic tanks. V. S. Ravenhill, City Clk. Noted Nov. 9.

Wis., Ripon—Bd. Pub. Wks. recommended that Council install septic tanks for new disposal system.

Iowa, Imogene—See item under "Water-Works."

Iowa, Mason City—City to vote on sewer proposition. F. P. Wilson, City Engr.

Minn., Duluth—City plans sewers in portion of 6th Alley and 101st St.

Minn., Red Wing—City plans sewer in Buchanan St. William Geisheker, City Engr.

Minn., St. Paul—City receiving bids Nov. 27 for sanitary sewer in portion Hythe and George St. O. Claussen, City Engr.

S. D., Aberdeen—City defeated $200,000 sewer bonds. F. Le Cocq, City Engr.

Mo., Sikeston—(Official)—City voted $5,000 sewer bonds.

Ark., Little Rock—City plans sanitary sewer system in Impvt. Dist. No. 82. Ford & MacCrea, Little Rock, Engr.

Tex., Bastrop—City soon lets contract for sewage plant. Hall Construction Co., Austin, Engr.

Tex., Bryan—Citizens voted $10,000 bonds for sewage-works. Noted Sept. 21.

Tex., Frost—(Official)—City receives bids about Dec. 1 for sewer system. Noted Nov. 9.

Tex., Lockhart—City receiving bids Nov. 28 for sewer system and disposal plant. H. E. Elrod, Dallas, Consult. Engr. Noted Nov. 2.

Tex., Port Arthur—Citizens voted $80,000 sewer bonds. G. M. Craig, Engr. Noted Sept. 7.

Okla., Marlow—See item under "Water-Works."

Okla., Kusa—Council passed ordinance to issue $25,000 bonds for sewers.

Okla., Wilburton—Citizens voted $20,000 sewer bonds. Mackintosh-Walton Co., Oklahoma, Engr.

Utah, Ogden—J. E. Tracy, City Engr., recommended that City Comn. rebuild sewer system.

Wash., Seattle—See item under "Water-Works."

Wash., Sumas—City plans 6-in. tile sewer in Block 6, Johnson's 3rd Addition. E. A. Brown, City Engr.

Calif., Los Angeles—Council passed ordinance for sewer in portion Echo Park Ave. H. Hamlin, City Engr.

Calif., Ventura—City making plans for sewage work. A. Waud, City Engr.

Bids In and Contracts Awarded

Maine, Westbrook—City to install 6- and 10-in. sewer by day labor.

Conn., West Hartford—City let contract sewer in Walbridge Rd., Boulevard and Ellsworth St. to L. PETROSSI, 39 Woodbridge St., Hartford.

N. Y., New York—(Manhattan)—(Official)—Boro. let contract extension sewer in 172nd St. between Ft. Washington Ave. and Broadway to P. J. DUFFY. Noted Nov. 2.

N. Y., New York—(Manhattan)—(Official)—Boro. let contract sewer in 188th St. to KNIGHT & DEMICCO; 189th St., to P. J. DUFFY. Noted Nov. 2.

N. J., Lyndhurst—Bd. Comrs. Union Township let contract sewer system and disposal plant to JANARONE CONTRACTING CO., 225 Passaic Ave., Belleville, about $277,478.

Ohio, Greenville—(Official)—City let contract to H. E. MILLER, Columbus, for storm sewers in various streets.

Ohio, Miamisburg—City let contract storm sewer in 9th St. to L. A. DILLTON, 147 North F St., Hamilton.

Ohio, Youngstown—(Official)—City let contract sewer in McGuffey St. to E. DIORIO, Court St., $5,711.

Sewers (Continued)

Ohio, Youngstown—City let contract to E. CONRICOTE, $4,590, for Indianola Ave. Sewer.

Ind., Kokomo—(Official)—Bd. Pub. Wks. let contract sewers in Loretta St. and Virginia Ave. to O. B. PETERS, Kokomo, about $4,647. Noted Nov. 2.

Wis., Milwaukee—(Official)—Sewerage Comn. let contract sewer work, Contract No. 14, to H. HOHENSEE, 905 27th St., Milwaukee.

Minn., Eveleth—City let contract storm sewers to LAWRENCE-McCANN CO., $25,285; pipe to T. F. LYNCH, $4,289.

Minn., Gaylord—City let contract extending water and sewer systems to GAYLORD HARDWARE CO., Gaylord, about $45,490. Noted Oct. 26.

Minn., Lake Crystal—City rejected bids for sewer system. J. F. Druar, Commercial Bldg., Engr.

Okla., Edmond—City let contract sewers to M. S. SHERMAN MACHINE AND IRON WORKS CO., Oklahoma, about $7,787. Noted Aug. 3.

Okla., Tulsa—City let contract sanitary submain sewer on Brady St. to PEASE & SON, about $7,000.

Ore., Portland—City let contract east side intercepting sewer in Washington St. to R. LEE.

Calif., San Francisco—Tibbetts-Pacific Co., San Francisco, submitted low bid for sewers in Somerset St., $17,842.

Ont., Toronto—City let contract sewers to FUSSELL-McREYNOLDS CO., 2014 St. Clair Ave., W., about $41,000.

GARBAGE

Proposed Work

Penn., Rankin—Citizens voted $45,000 bonds for incinerator and collection of garbage.

Ind., Brazil—Council plans crematory, F. Wilson, City Engr.

Tex., Ballinger—City made plans for incinerator plant. Bids soon. E. R. Walker, City Health Officer. Noted Oct. 19.

Tex., Lockhart—City receiving bids Nov. 28 for garbage incinerator. Noted Sept. 28.

Ore., Portland—A. Daly, Comr. Dept. Pub. Utilities, recommended that city call election next June to vote on $75,000 bonds for garbage collection system.

Bids In and Contracts Awarded

Penn., Philadelphia—Dept. Pub. Wks. received bids Nov. 13 (a) collection of garbage during 1917, (b) cleaning streets during 1917, (c) collection of ashes during 1917 from Penn Reduction Co., Bulletin Bldg., (a) $432,000; J. A. Mullen, 5512 Vine St., (b) Dist. 1A, $133,700, (c) Dist. 1A, $59,300; J. Irvin, 25th and Moore St., (b) Dist. 1B, $184,300, (c) Dist. 1B, $93,300; E. H. Vare, Lincoln Bldg., (b) Dist. 2, $369,000,, Dist. 3, $434,900, (c) Dist. 2, $99,900, Dist. 3, $114,900; J. D. Dorney, 1204 East Montgomery Ave., (b) Dist. 4A, $193,000, (c) Dist. 4A, $89,800; H. C. Ruch, 2212 East Susquehanna Ave., (b) Dist. 4B, $136,500; F. Curran, 3023 Richmond St., $328,000; Estate David McMann, Main and Chelten Ave., (b) Dist. 6, $233,500; (c) Dist. 6, $128,800; Fletcher Corporation, Pennsylvania Bldg., $79,900; R. J. & A. Peoples, 25th and Callowhill St., (c) Dist. 5, $108,000.

Mich., Menominee—Common Council let contract for incinerator to H. H. WAGONER, $6,500. Noted Aug. 17.

Tex., Abilene—City let contract incinerator to J. W. STOKES, Houston, $6,000.

STREETS AND ROADS

Proposed Work

Conn., Hartford—State Highway Comn. receiving bids Nov. 27 for 25,282 lin ft. native stone macadam on Long Ridge Rd., Stamford Township.

N. Y., Chatham—County soon lets contract for paving 5 mi. road. C. W. Van Hosen, Austerlitz, Superv.

N. Y., Hinsdale—City defeated $12,000 road and bridge bonds.

N. Y., Islip—Islip, Brentwood and Bay Shore Villages voted $26,000 road bonds. Adress Town Clk., Islip.

N. Y., Mt. Sinai—Village plans to pave Main St., concrete, about $5,000.

N. Y., Riverhead—Council plans to extend Averill Ave., about $75,000; also grade, sidewalk and sewer Ohio St., about $11,500. F. T. Elwood, City Engr.

N. J., Elizabeth—City plans to pave Caldwell Pl. and Front St., granite block, and Cross Ave., asphalt. T. E. Collins, City Engr.

N. J., Flemington—Town received bids for 15,600 sq.yd. paving on Flemington-Sand Brook Rd. from Reed & Co., Trenton, $15,447; J. I. Demarest, Woodbridge, $18,292. L. P. Cruse, Clk.

N. J., Franklin—Borough voted $20,000 street improvement bonds.

N. J., Jersey City—Bd. Comrs. receiving bids Nov. 28 for paving portion Stegman St., brick. C. A. Van Keuren, City Engr.

N. J., Jersey City—Bd. Freeholders Hudson County plans $30,000 bond issue for improving Paterson Plank Rd., amiesite; also $12,000 for Jackson St. and Lincoln Highway bridges. Address Clk., Jersey City.

N. J., Keyport—G. D. Cooper, Engr., 120 Broad St., Red Bank, receiving bids Jan. 3 for warrenite paving. About $65,000.

N. J., Newark—Bd. St. and Water Comrs. plans to pave portions Chelsea, Brookdale and Sussex Ave., Cliff, Mead, South Tyler and Amsterdam St. and Hinsdale Pl. M. R. Sherrard, City Engr.

N. J., Salem—Bd. Freeholders Salem County receiving bids Nov. 27 for second section Malaga-Pennsgrove Rd. I. C. Smashey, Salem, Clk. Noted Nov. 2.

N. J., Trenton—State voted $7,000,000 highway bonds. Noted Oct. 26.

N. J., Wallpack Centre—Town Rd. Comn. plans to spend $10,000 for new road.

Penn., Carnegie—Borough voted $100,000 for street improvements.

Penn., Monessen—City voted $110,000 bonds for street improvements. A. W. Johns, City Engr.

Penn., Scranton—City plans to grade, pave and curb portion Monsey Ave., asphalt, about $18,215. W. Schunk, City Engr.

Penn., South Bethlehem—City voted $10,000 paving bonds. R. M. Brady, City Engr. Noted Sept. 28.

Md., Baltimore—State Highway Comn. making surveys for National Defense Highway from Camp Parole to Blandensburg, about 25 mi. C. R. Wilson, Secy.

Md., Baltimore—City receiving bids Nov. 29 for cement footways around city property, group 9. R. M. Cooksey, Engr.

W. Va., Fayetteville—Fayette County to let contract for improving Fayette Giles-Kanawha Turnpike in spring. J. K. McGrath, Fayetteville, Rd. Engr.

S. C., Anderson—Charleston & Western Carolina Ry. plans 4,000 sq yd. brick paving between West Market St. and freight depot. About $8,000. A. W. Anderson, Augusta, Gen. Mgr.

Ga., Cartersville—(Official)—Barton County does not plan election to vote on $60,000 road bonds. Noted Nov. 9.

Ala., Bay Minette—Baldwin County receiving bids Dec. 5 for grading, draining and surfacing with sand clay portion State Trunk Rd. No. 12. About $5,000. W. S. Keller, Montgomery, State Highway Engr.

Ala., Luverne—Crenshaw County receiving bids Dec. 16 for improving 2 mi. Patsburg and Luverne Rd. and 3 mi. Honoraville Rd. J. M. Garrett, Luverne, County Engr.

Miss., Hattiesburg—Forest County plans $100,000 bond issue for road work; also $50,000 for roads in Beats Nos. 2, 4 and 5. Address County Clk., Hattiesburg.

Miss., Lexington—Highway Comrs. Holmes County, Beat No. 4, Thornton, receiving bids Nov. 25 for 4.2 mi. road. Snowden & Houser, Durant, Engr.

Miss., Oxford—Lafayette County, Taylor Dist., receiving bids Dec. 1 for 14 mi. sand clay roads. Snowden & Houser, Jackson, Engr. Noted Oct. 26.

La., Colfax—Grant Parish, Rd. Dist. No. 8, plans election to vote on $300,000 road bonds, $120,000 to be used for 33 mi. Jefferson Highway. Address Police Jury, Colfax.

La., Mansfield—City made plans for 21,000 sq.yd. paving and 8,000 sq.yd. gravel with binder.

La., Monroe—Ouachita Parish, Dist. No. 2, receiving bids Dec. 18 for grading, draining and surfacing with gravel portions Monroe Loop, Monroe-Farmville, Morehouse Parish, Monroe-Bastrop and Old Vicksburg Rd. J. W. Billingsley, Monroe, Consult. Engr.

Tenn., Lewisburg—(Official)—Marshall County, Byhalia Separate Rd. Dist., did not vote $35,000 road bonds. Noted Nov. 9.

Tenn., Manchester—Coffee County defeated $250,000 road bonds. Noted Oct. 12.

Tenn., Memphis—Shelby County receiving bids Dec. 1 for 10 mi. gravel road across northeast corner De Soto County. About $20,000. A. W. McCleskey, 11 South 2nd St., Memphis, Engr. Noted Nov. 9.

Ky., Hickman—Citizens defeated $20,000 street-improvement bonds. Noted Sept. 28.

Ky., Paducah—McCracken County receives bids next spring for 128 mi. road. About $200,000. J. R. Thompson, Paducah, County Engr. Noted Nov. 16.

Ky., Versailles—Woodford County plans to rebuild 10 mi. Versailles and Harrodsburg Rd., 2 mi. Versailles and Lexington Rd., 5 mi. Versailles and Georgetown Rd. and 3 mi. Versailles and Frankfort Rd. Address County Clk., Versailles.

Ky., Whitesburg—(Official)—Citizens defeated $5,000 paving bonds. Noted Oct. 12.

Ohio, Chardon—Geauga County, Russell, Newbury and Burton Township and Burton Village voted $26,000 road bonds. Address County Clk., Chardon.

Ohio, Cleveland—City plans to widen West 3rd St. R. Hoffman, City Engr.

Ohio, Covington—Citizens voted $500,000 bonds for extending Holm St., Eastern and Hermes Ave., Willow Run Blvd., improving Pike St. and building traffic bridge in connection with new emergency water main, improving thoroughfares in Latonia and new Holmesdale School.

Ohio, Dover—Citizens voted $50,000 paving bonds. G. E. Arnold, City Engr. Noted Oct. 19.

Ohio, Greenville—City plans to pave 2½ mi. on Union and West St., also 2,000 ft. concrete curb and gutter. R. Horn, City Engr.

Ohio, North Lewisburgh—Village defeated $10,000 bonds for street improvements. Noted Oct. 26.

Ohio, Steubensville—G. W. Borden, Dir. Pub. Ser., receiving bids Nov. 29 for grading filter plant grounds.

Ohio, Troy—City plans to improve portions East and West 23rd, 32nd and 7th St. and Elyria Ave. M. A. Gantz, City Engr.

Ohio, Upper Sandusky—City defeated $80,000 street paving bonds. Noted Oct. 5.

Ohio, Urbana—City defeated $10,000 street-improvement bonds.

Ohio, Washington Court House—City plans to pave East St. B. R. Jacobs, City Engr.

Ind., Connersville—Fayette County receiving bids Dec. 4 for gravel road in Posey Township. G. Zell, Connersville, Audr.

Ind., Kokomo—Howard County receiving bids Dec. 5 for stone road in Howard Township. W. L. Benson, Kokomo, Audr.

Ind., Monticello—White County receiving bids Dec. 5 for gravel road in Prairie Township. A. G. Fisher, Monticello, Audr.

Ind., Spencer—Owen County receiving bids Dec. 4 for stone road in Marion Township. S. M Royer, Spencer, Audr.

Mich., Cadillac—City plans to pave portion Marble St., concrete, Division and Cass St., brick. G. Johnson, City Clk.

Mich., Cassopolis—(Official)—Cass County defeated road bonds. Noted Nov. 9.

Mich., Montague—Grant Township, Hart, voted $10,000 bonds for its share of highway from Montague to New Era. Address County Clk., Muskegon. Noted Nov. 9.

Mich., Ontonagon—Ontonagon County voted $195,000 road bonds. Address County Clk., Ontonagon. Noted Sept. 14.

Mich., Zeeland—Citizens voted bonds for paving Main St. L. A. Boulay Co., 1248-51 Nicholas Bldg., Toledo, Engr. Noted Nov. 2.

Ill., Belleville—St. Clair County defeated $1,500,000 road bonds. D. O. Thomas, Belleville, County Supt. Highways. Noted Oct. 12.

Ill., Joliet—City plans to pave Wilcox St. About $28,639. C. D. O'Callahan, City Engr.

Ill., Joliet—Will County defeated $1,500,000 road bonds.

Ill., Peoria—City plans to pave portion Pecan St., about $9,585. L. D. Jeffries, City Engr.

Wis., La Crosse—Bd. Pub. Wks. plans to spend $125,000 for paving. G. Bradish, City Engr.

Iowa, Des Moines—City making surveys for Keosauqua Way from 7th and Chestnut St. to 20th and Forest St. K. Kastberg, City Engr.

Iowa, Des Moines—Council passed resolution to pave portions 6th Ave. K. Kastberg, City Engr.

Kan., Hutchinson—City plans to pave First St. G. L. McLane, City Engr.

Neb., Columbus—L. F. Gottschlag, Engr., estimates cost of paving Dist. No. 1 at $100,268.

Mont., Anaconda—Deerlodge County made surveys for highway from Anaconda to Bitter Root Valley. Address County Clk., Anaconda.

Mont., Butte—State Highway Comn. plans to improve Yellowstone Trail between Alberton and Cyr. About $110,000. G. R. Metlin, Secy.

Mont., Butte—City plans to pave portions Alabama, Granite, Harrison and Excelsior St. and Broadway. J. J. Armstrong, City Engr.

Mont., Dillon—Beaverhead County plans to rebuild between 10 and 20 mi. highways. Address County Clk., Dillon.

Mont., Helena—State Highway Comn. plans Yellowstone Trail between Alberton and Cyr. About $110,000. G. R. Metlin, Secy.

Mo., Excelsior Springs—City passed resolution paving portion Kansas Ave. and Leavenworth St. W. L. Silvers, Clk.

Mo., Linn—Osage County defeated road bonds.

Mo., Sikeston—(Official)—City voted $10,000 street-improvement bonds. Noted Nov. 2.

Tex., Austin—(Official)—City does not plan $64,000 bond issue for paving. M. C. Welborn, City Engr. Noted Oct. 26.

Tex., Brady—McCulloch County, Melvin Dist., plans $30,000 bond issue for 20 mi. road. Address County Clk., Brady.

Tex., Brady—McCulloch County, Boca Dist., plans $16,000 bond issue for 20 mi. road. Address County Clk., Brady.

Tex., Denton—Denton County defeated $900,000 road bonds. Address County Clk., Denton. Noted Oct. 19.

Tex., Galveston—City soon receives bids for brick paving and sidewalks on seawall boulevard A. T. Dickey, City Engr.

Tex., Galveston—Bd. Comrs. plans to pave portion Postoffice St. A. T. Dickey, City Engr.

Tex., Palestine—Anderson County voted $400,000 for roads. Address County Clk, Anderson

Streets and Roads (Continued)

Tex., Victoria—City plans election to vote on $100,000 paving bonds.

Okla., Ardmore—Carter County plans election in December to vote on $100,000 road bonds. S. W. Tyer, Ardmore, Clk. Noted July 27.

Okla., Okmulgee—Okmulgee County voted $800,000 road bonds. Address County Clk., Okmulgee. Noted Sept. 14.

Okla., Sapulpa—City plans paving on Hobson, Birch and Lee St. R. N. Whittlesey, City Engr.

Okla., Tulsa—City receiving bids Nov. 27 for paving several streets and alleys. E. C. Hughes, City Engr. Noted Nov. 2.

Wash., Ellensburg—Kittitas County plans to spend $107,789 for road and bridge work next year. M. M. Emerson, Ellensburg, County Engr.

Wash., Port Townsend—Jefferson County appropriated $12,000 for permanent highways, $24,000 for road and bridge work and $20,000 for road district work. G. D. Edwards, Port Townsend, County Engr.

Wash., Seattle—King County making plans for 4 mi. highway between Duwamish River and Renton Junction, brick or monolithic. About $108,000. A. P. Denton, Seattle, County Engr.

Wash., Shelton—Mason County appropriated $15,000 for permanent highways, $22,000 for road and bridge work and $54,900 for road district work during 1917. A. L. Ward, Shelton, County Engr.

Ore., Fossil—(Official)—Wheeler County voted $800,000 road bonds. S. Sasser, Fossil, County Clk. Noted Oct. 19.

Calif., Fresno—Council passed resolution to widen Thomas Ave. B. E. Cronkite, City Engr.

Calif., Los Angeles—City plans to improve portion 1st and 19th St. H. Hamlin, City Engr.

Calif., Los Angeles—City plans to widen portion Chester Court.

Calif., Los Angeles—City plans to improve portion Ardmore Ave. and Santa Monica Blvd. H. Hamlin, City Engr.

Calif., Los Angeles—City plans to pave portion 48th St., warrenite; Figueroa St., concrete; Vermont Ave. and 7th St., bitulithic; also sewering portion 9th St. and Grand Ave. H. Hamlin, City Engr.

Calif., Modesto—(Official)—Stanislaus County voted $1,482,000 road bonds. Bids will soon be received. E. H. Annear, Modesto, County Engr. Noted Oct. 19.

Calif., Sacramento—State voted $1,500,000 for improving highways throughout state. Noted Mar. 2.

Calif., San Francisco—City plans to pave portion Battery St., wood block. About $32,000. M. M. O'Shaughnessy, City Engr.

Calif., Santa Ana—Orange County receiving bids Dec. 6 for 2.53 mi. concrete pavement between Brea and Olinda. Address County Clk., Santa Ana.

Calif., Ventura—Ventura County receiving bids Dec. 5 for paving Casitas, La Crosse, Montalvo, Saticoy and Sespe bridges. J. B. McCleskey, Ventura, County Clk.

Ont., Bridgeburg—City election Jan. 2 to vote on bylaw for $7,400 for concrete road along river front. Queen Victoria Niagara Falls Park Comn. will bear rest of cost.

Bids In and Contracts Awarded

Mass., Watertown—(Official)—City will widen North Beacon St. by day labor. About $140,000. W. F. Learned, Engr. Noted Nov. 9.

N. Y., New York—(Brooklyn)—(Official)—Boro. let contract paving portion Bay 19th St. to CRANFORD PAVING CO., 52 9th St., $6,982; Thatford Ave., BOROUGH ASPHALT PAVING CO., 1301 Metropolitan Ave., $4,367; 81st St., BROOKLYN ALCATRAZ ASPHALT CO., 407 Hamilton Ave., $5,737. Noted Nov. 16.

N. Y., New York—(Manhattan)—(Official)—Boro. let contract paving portion West 181st St. to ASPHALT CONSTRUCTION CO., Madison Ave. and 137th St., about $10,833. Noted Nov. 16.

N. Y., New York—(Manhattan)—(Official)—Boro. let contract repaving approaches of City Island Bridge over Pelham Bay Narrows to BARBER ASPHALT PAVING CO., Woolworth Bldg., about $6,656. Noted Sept. 28.

N. Y., New York—(Manhattan)—(Official)—Boro. let contract paving portion West 134th St. to SUMMIT ENGINEERING AND CONSTRUCTION CO., $49,820. Noted Sept. 28.

N. Y., New York—(Queens)—(Official)—Low bidders street improvements were: Clancy & Nuhn, portion Jackson Ave., $28,576; Cleveland-Trinidad Asphalt Co., Buchman Ave., $12,672, Hancock St., $16,400.

N. J., Atlantic City—Bd. Chosen Freeholders let contract White Horse Pike to LITTELL & PFEIFFER, Perth Amboy, about $693,443. Noted Oct. 19.

N. J., Glen Ridge—(Official)—City let contract to P. SEOLA, 108 Glen Ridge Ave., for grading portion Careret St. Noted Nov. 9.

N. J., Newark—City let contract paving portion Shephard Ave. to STANDARD BITULITHIC CO., Essex Bldg., about $9,328. Noted Nov. 16.

N. J., Newark—City let contract paving portion Mapes Ave. to STANDARD BITULITHIC CO., Essex Bldg., about $9,316. Noted Nov. 16.

N. J., Newark—City let contract paving High St. from Boyden Pl. to Orange St. to A. J. MILMOE, 85 Littleton Ave., about $19,065; from Warren St. to Boyden Pl., to NEWARK PAVING CO., 133 1st St., about $40,242. Noted Nov. 16.

N. J., Seaside Heights—Borough let contract improving Sampson, Kearney and Fremont Ave. to C. W. MATHIS & CO., Seaside Park, about $10,900.

Penn., Erie—City let contract to JOHN McCORMICK & SONS, $4,402, paving Chestnut St.

Penn., Philadelphia—Bids received by Dept. Pub. Wks., Nov. 14, grading streets: (a) Euclid St., (b) Osage Ave., (c) Cobbs Creek Pkway, (d) 15th St. and 69th Ave., (e) Fairhill St., (f) Colonial St., (g) Albanus St., (h) Woodlawn St., (i) Beechwood St., (j) Broad St., (k) 17th St., (l) Webster St., (m) 60th St., from: Kiebe & Co., Lincoln Bldg., (a) 43c. sq.yd. (low); J. Devlin, Jr., 3743 North Marshall St., (a) 47c., (c) 43c. (low); (e) 47c., (m) 37c., (low); T. P. Lee, 30 South 58th St., (a) 49c.; J. J. McHugh, Commercial Trust Bldg., (b) 57c., (low), (e) $1.25, (low); E. P. Gorman, 5316 Walnut St., (b) 63c., (c) 64c.; R. B. Winner, (b) 70c., (c) 69c.; I. K. Davis, (d) 28c., (low), (f) 43c., (i) 30c., (low), (j) 53c.; F. Mark Contracting Co., 2019 Somerset St., (d) 29c., (e) 32c., (f) 37c., (low), (g) 18c., (i) 37c., (j) 33c., (low); J. M. Feeney, 18th and Poplar St., (d) 33c.; T. Connor, 5238 Walnut St., (e) 27c., (low); J. F. Nolan, 607 Arch St., (f) 40c., (h) 42c., (i) 45c.; R. J. & A. Peoples, 2308 Callowhill St., (g) 12c., (low); Eastern Paving Co., 1416 South Penn Sq., (g) 20c., (k) 57c.; Estate of David McMahon, Main and Chelton Ave., (h) 39c., (low); J. D. Dorney, 1204 East Montgomery Ave., (h) 42c., (k) 63c.; P. J. Snyder & Co., 903 Bailey Bldg., (j) 64c.; G. Moehrle, 2631 North 28th St., (k) 56c. (low); Robbin Contracting Co., (l) $1.40; A. W. Barnes, Righter and Hermit St., (m) 40c.

Del., Wilmington—State Highway Comn. let contract resurfacing portion Concord Turnpike to STANDARD BITULITHIC CO., c/o M. Howe, Ford Bldg., about $33,000. Noted Nov. 16.

Md., Elkton—County let contract 2½ mi. macadam road between Millers Corners and Cowentown to E. W. BROWN, Port Deposit.

W. Va., Logan—(Official)—County rejected bids for 2 mi. highway. R. M. Wilson, Logan, County Rd. Engr. Noted Oct. 19.

Ga., Statenville—(Official)—Echols County will build road from Statenville to county line by convict labor. Noted Nov. 2.

Ala., Gadsden—Etowah County Highway Comn. let contract about 2 mi. road to J. F. MORGAN & CO., $10,000.

Miss., Greenwood—Le Flore County let contract paving road from Greenwood to Lucas' Gin to MEMPHIS ASPHALT AND PAVING CO., Memphis; asphalt oil penetration treatment, KANE-KELLY CONSTRUCTION CO., New Orleans.

Miss., Jackson—Hinds County let contract Clinton-McRaven, Sanders and Terry Pine Grove Rd., Dist. No. 5, and Garland and Lavernet Rd., Dist. No. 1, to S. A. GANO; Whitfield-Clinton, McRaven and Tinnin Rds., Dist. No. 1, HINDS COUNTY CONSTRUCTION CO. About $51,000. Noted July 27.

La., Jennings—County let contracts road work to WORTHINGTON CONSTRUCTION CO., First National Bank Bldg., Birmingham, road from Welsh to Fenton and Ward 9; HEALY CONSTRUCTION CO., Meridian, Miss., Calcassiu-Mermentau Rd.; J. N. GEORGE, Shreveport, road from Welsh to Lake Arthur, Jennings to Elton and Lake Arthur to Jaenke Bridge toward oil field and vicinity of Roanoke. About $500,000.

La., Lake Charles—City let contract gravel paving to DE JERSEY & NAFF, Lake Charles, about $15,000. Noted Oct. 26.

La., Monroe—State Highway Dept. let contract 13 mi. gravel roads to WETZEL & CO., Monroe, about $109,634.

Tenn., Chattanooga—Hamilton County let contract portion Sequatchie Valley Pike to BENNETT & MALONEY CONSTRUCTION CO., Chattanooga, $37,181.

Tenn., Newport—(Official)—City let contract to MURRAY CONSTRUCTION CO., 1222-26 Holston National Bank Bldg., Knoxville, paving streets. Noted Apr. 6.

Ky., Middlesboro—City let contract improving portions Cumberland Ave., 18th, 19th and 20th St. to G. P. SHARP. Noted Sept. 7.

Ohio, Cincinnati—Hamilton County let contract improving North Bend Rd. to THURBER & BROWNING, 4312 Spring Grove Ave., $60,692. Noted Nov. 16.

Ohio, Cincinnati—Hamilton County let contract paving Cameron Rd. to P. PRAECHTER, 2935 Gerard Ave., $44,232. Noted Nov. 16.

Ohio, Dayton—Montgomery County let contract to FARRELL & CRAMPTON, $8,884, improving New Troy Pike.

Ohio, New Boston—City received no bids for paving Rhodes Ave. Noted Oct. 5.

Ohio, Pomeroy—(Official)—Village let contract to G. BAUER, $5,500, paving portion Mechanic St. Noted Nov. 2.

Ohio, Youngstown—City let contract paving to V. OLSON, Youngstown, about $26,456. Noted Nov. 2.

Ohio, Youngstown—(Official)—City let contract paving Boardman St. to TURNER CONSTRUCTION CO., Mahoning Bank Bldg., about $9,526. Noted Nov. 2.

Ind., Columbia City—Whitley County let contract gravel roads to E. E. LEHMER & CO., North Manchester, about $11,648. Noted Oct. 19.

Ind., Corydon—Harrison County let contract road on line between Taylor and Boone Townships to MILLER & MILLER, Mauckport, about $18,349. Noted Oct. 19.

Ind., Indianapolis—City let contract paving portion Meridian St. to MARION COUNTY CONSTRUCTION CO., 1600 South West St. Noted July 20.

Ind., Indianapolis—Bd. Park Comrs. let contract parkway and boulevard along Pogues Run from Brookside to Jefferson Ave. to S. M. TIMBERLAKE, about $52,995.

Ind., Laporate—(Official)—Laporte County let contract Troxel Rd. to C. KAIN, Medaryville, about $21,400. Noted Oct. 19.

Ind., Laporate—(Official)—Laporte County let contract Gardner Rd. to C. KAIN, Medaryville, about $8,200. Noted Oct. 19.

Ill., Geneseo—City let contract paving and curbing 1st St. to GENERAL ENGINEERING AND CONTRACTING CO., Freeport, about $8,886.

Minn., St. Paul—City let contract improving portion Stewart Ave. to KEPUGH BROS., about $16,500.

Ark., Ft. Smith—City let contract to CLEVELAND TRINIDAD PAVING CO., 421 Lakeside Ave., $12,499 paving in Dist. No. 12.

Ark., Texarkana—Bd. Impvt. Dist. No. 20 let contract to BURKE CONSTRUCTION CO., Ft. Smith, 100,000 sq.yd. paving. Noted Nov. 16.

Okla., Clinton—City let contract paving Frisco Ave. to WESTERN PAVING CO., Oklahoma. Noted Mar. 30.

Okla., Oklahoma—City let contract paving Lincoln Blvd. to SANDRINGHAM CONSTRUCTION CO., Oklahoma, about $16,683. Noted Oct. 19.

Okla., Waurika—Jefferson County let contract 7 mi. highway in Earl Township to J. THOMPSON, Ringling. Noted June 1.

Wash., Bellingham—City let contract paving G St. to K. SAUSET, about $14,089. Noted Oct. 19.

Wash., Richland—County let contract Hanford-Richland Rd. to O. S. BROWN, Prosser, about $19,000.

Calif., Avon—County let contract highways to CHADWICK & SYKES, Crocker Bldg., San Francisco, about $17,000.

Calif., Bakersfield—Kern County let contract 12.3 mi. paving on Bakersfield-Mojave Highway to R. SHERER & CO., 750 Pacific Electric Bldg., Los Angeles, $70,154. Noted Oct. 26.

Calif., Corona—City let contract paving portion North Main and River St. to JOHNSON-SHEA CO., Riverside, about $10,224.

Calif., Los Angeles—City let contract improving portion Lincoln Ave. to M. T. SHAFER, about $5,091. Noted Oct. 26.

Calif., Los Angeles—City let contract improving portion 14th St. to CALIFORNIA-ARIZONA CONSTRUCTION CO., 1700 East Washington St., $7,258.

Calif., Ontario—City let contract improving various streets to J. F. MILLER, Santa Monica, about $16,000.

Calif., Stockton—San Joaquin County let contract road work to G. LUHRSEN, Bethany, about $7,000.

Calif., Ventura—Ventura County received low bid paving 11.1 mi. Div. 1, Ventura to Santa Paula Rd., from Brashear-Burns Co., Los Angeles, about $39,349. Noted Nov. 2.

INDUSTRIAL WORKS

Proposed Work

Maine, Portland—Rundlett & Verrill Co. plans cold-storage plant on Union Wharf. About $100,000.

Vt., Burlington—H. U. Coon Ice Cream Co. making plans for 2-story concrete and brick factory. About $12,000. F. L. Austin, Burlington, Arch.

Mass., Holyoke—Farr Alpaca Co., Jackson St., making plans for new building, Cabot and Bigelow St. S. M. Green Co., 293 Bridge St., Springfield, Engr. and Arch. Noted Oct. 12.

Conn., Bridgeport—Bridgeport Projectile Co. plans 2-story addition to plant.

Conn., Hartford—Eastern Motors Incorporated, organized with $1,000,000 capital, will build factory for manufacture of automobiles. W. D. Upson, Waterbury, interested.

Conn., Waterbury—Chase Metal Works granted permit for 1-story, 62x200-ft. storehouse on Thomaston Ave.

N. Y., Buffalo—Niagara Fireworks Co., Michigan and Myrtle St., purchased site on East Delavan Ave. for 17 small factory buildings.

N. Y., Buffalo—American Body Co., 1271 Niagara St., plans made for $10,000 addition. Noted Feb. 24.

N. Y., Buffalo—Jacob Dold Packing Co. plans addition at William St. and Fillimore Ave.

Industrial Works (Continued)

N. Y., Buffalo—United States Alloys, Inc., plans branch plant at Buffalo.

N. Y., Canandaigua—Roper Knitting Co., recently incorporated, plans plant. G. Roper, Canandaigua, Vice-Pres.

N. Y., Lockport—Harrison Manufacturing Co. sold to United Motors Corporation, who will build large addition. About $300,000.

N. Y., Lyons—Lyons Cold Storage Co. plans addition to plant in Elmer St.

N. Y., New York—(Bronx)—Universal Ice Manufacturing Co. plans ice-making plant at Park Ave. and 168th St. E. S. Napolis, Pres.

N. Y., Phœnix—Duffy Silk Co. plans to rebuild plant recently destroyed by fire with loss of $150,000.

N. Y., Rochester—Bausch & Lomb Optical Co., St. Paul St., plans 1-story, 70x120-ft. addition.

N. Y., Troy—Swift & Co., Union Stock Yards, Chicago, plans plant, Saratoga and Pine St. About $20,000.

N. J., Ridgefield Park—Cooney Dyeing Co. will construct 3-story plant on Hackensack River.

Penn., New Castle—American Sheet and Tin Plate Co. plans new plant adjoining Shenango plant. About $500,000.

N. J., Trenton—Delion Tire and Rubber Co. soon receives bids for addition to plant. About $18,000. J. O. Hunt, Trenton, Arch.

Penn., Farrell—United States Steel Corporation appropriated $1,000,000 for 10 additional hot mills at Farrell Works of American Sheet and Tin Plate Co.

Penn., Philadelphia—J. H. Ferguson, Broad St. and Hunting Park Ave., making plans for machine shop.

Penn., Philadelphia—J. Mastbaum, 258 North Broad St., to build 4-story building at 664-66 North Broad St. to be leased by Fisk Rubber Co. About $100,000.

Penn., Philadelphia—Royal Pioneer Paper Box Co., 934 North 3rd St., making plans for addition.

Penn., Philadelphia—West Philadelphia Stock Yards Co. making plans for 2-story, 61x125-ft. addition to packing plant, 30th and Race St.

Penn., Pittsburgh—Atlantic Refining Co. making plans for 13-story building, Strawberry Way and Grand Blvd. About $1,000,000. W. G. Wilkins, Engr. and Arch.

Penn., Pittsburgh—Gilmore Drug Co. plans warehouse at Second Ave. and Cherry Way. About $500,000.

Penn., Pittsburgh—Panhandle Traction Co. plans freight warehouse along Forbes, Boyd and Hooper St. W. B. Atwood, Wheeling, Gen. Supt.

Penn., Pittsburgh—Point Improvement Co. plans 6-story concrete warehouse on 7th St. About $53,000.

Penn., Pittsburgh—St. Louis Independent Packing Co., 3857 Choteau Ave., St. Louis, Mo., made plans for cold-storage plant and meat depot at Hamilton and Torrence Ave., East End Dist. Charles Krause, Arch. About $55,000. Noted Apr. 6.

Penn., Pittsburgh—J. Stuart granted permit for 1-story commercial garage, Baum Blvd. and Melwood St., about $30,000.

Penn., Pittsburgh—H. Wilfred and C. M. DuPuy to build 3-story, 46x65-ft., stucco and terra cotta building at Tunnel St. and Webster Ave., to be leased by Pennsylvania Rubber Co., 505 Liberty Ave. F. I. Merrick, Empire Bldg., Arch.

Penn., West Conshohocken—Merion Worsted Mill making plans for 1-story, 82x150-ft. brick addition.

Penn., Williamsport—Lycoming Rubber Co. plans 4-story, 55x100-ft. addition to plant. About $40,000. C. R. Haynes, Gen. Supt.

Penn., Williamsport—Standard Wood Pipe Co. plans new factory.

Va., Roanoke—Lindsey, Robinson & Co. plans mill and warehouse.

Va., Norfolk—Norfolk Shipbuilding and Drydock Co., recently organized, with $1,500,000 capital, plans plant. About $1,250,000. H. G. Skinner, interested.

W. Va., Charleston—(Official)—E. C. Klipstein & Son making plans for 4-story, 58x120-ft. rein.-con. chemical plant. Charles H. Higgins, 30 Church St., New York, Arch.

W. Va., Huntington—Huntington Iron Works plans plant. F. A. Reich, Pres. and Gen. Mgr.

W. Va., Huntington—Standard Stamping Co., Marysville, Ohio, plans plant at Huntington.

W. Va., Princeton—Virginia Ice and Cold Storage Co. soon lets contract for plant. About $16,000. E. L. Davis, Lynchburg, Mgr.

W. Va., Sistersville—Sistersville Boiler Works plans plant.

N. C., Charlotte—C. O. Kuester plans knitting mill. About $75,000.

N. C., High Point—Commonwealth Hosiery Mills, organized with $125,000 stock, plans knitting mill.

Ga., La Grange—W. L. Cleaveland, C. V. Truitt and associates plan to organize company to build packing plant.

Fla., Jacksonville—Dixie Milling Co. will be incorporated to build roller mill. J. C. Herndon, Secy.

La., New Orleans—Maginnis Mills made plans for warehouse. About $12,000. E. S. Hayford, New Orleans, Arch.

La., New Orleans—Southern Car Co., High Point, N. C., plans car works. About $500,000.

Tenn., Memphis—Memphis Motor Car Co., 987 Union St., granted permit for 1-story storage and shop building. About $30,000.

Ohio, Addyston—United States Cast Iron Pipe and Foundry Co. plans 2- or 3-story machine shop. About $300,000. W. L. Perkins, River Rd., Res. Mgr.

Ohio, Canton—United Alloy Steel Co. plans to enlarge plant. About $2,000,000. H. R. Jones, Pres.

Ohio, Cincinnati—Bourne Fuller Co., Front and Smith St., plans addition to warehouse. About $12,000.

Ohio, Cincinnati—Carlton Machine Tool Co. granted permit for plant at Spring Grove Ave. and Meeker St. About $19,500. Noted Aug. 17.

Ohio, Cincinnati—C. L. Hills Co., 832 Reedy St., plans new plant, south side of Front St.

Ohio, Cleveland—American Shipbuilding Co. granted permit for addition at 5310 Crescent Ave., N. W. About $20,000.

Ohio, Cleveland—Cadillac Investment Co. granted permit for garage at 1865 East 30th St. About $100,000.

Ohio, Cleveland—McLaren Iron Works Co. granted permit for plant at 1725 Urbana Rd. About $15,000. Noted Sept. 21.

Ohio, Cleveland—Parsons & Parsons Co., 5902 Carnegie Ave., purchased site on East 4th St. for new plant.

Ohio, Cleveland—Swift & Co. granted permit for 3-story fertilizer plant at 3243 West 65th St. About $10,000. Noted Sept. 28.

Ohio, Dayton—Crown Hardware Manufacturing Co. plans addition. E. Huston, Pres.

Ohio, East Palestine—East Palestine Rubber Co. purchased site of 12 acres on main line Pennsylvania R.R. Lines West of Pittsburgh, at East Palestine, and will let contract for first unit of plant about Dec. 10. A. Lyon, Pres.

Ohio, Findlay—Findlay Steel Castings Co., recently incorporated with $200,000 capital stock, plans plant.

Ohio, Ironton—Dayton Malleable Co. plans addition.

Ohio, Sandusky—Mathews Engineering Co., Port Clinton, plans factory at Sandusky.

Ohio, Warren—Guarlieri Ice Cream Co. making plans for 2-story addition. About $25,000. C. D. Cooley Co., Century Bldg., Pittsburgh, Arch.

Ind., Evansville—Terre Haute Pure Milk and Ice Cream Co. making preliminary plans for 6-story cold-storage plant. About $75,000. C. D. Cooley Co., Century Bldg., Pittsburgh, Arch.

Ind., Ft. Wayne—Motor Sales Corporation making plans for garage, 313-21 East Washington St. About $35,000. C. J. Weber and C. Gale, Arch. L. Gale, Mgr.

Ind., Indianapolis—M. O'Connor & Co., 47-49 South Meridian St., plans new building at Meridian, Pennsylvania and McCarty St.

Ind., Indianapolis—Peerless Foundry Co. made plans for 2-story, 90x212-ft. factory and foundry. T. Cornwall, 718 East Maryland St., Mgr. L. B. Milliken, 1536 Lemcke Annex, Arch.

Mich., Detroit—J. Vernor Co., 33 Woodward Ave., plans 6-story, 50x100x90 ft. brick and steel factory. About $50,000.

Mich., Flint—Flint Spring Water Co. granted permit for 1-story ice plant. About $40,000. A. C. Bishop, Citizens Bldg., Cleveland, Arch. Noted Oct. 26.

Mich., Grand Rapids—R. M. De Bruyn plans warehouse on Market Ave.

Ill., Chicago—Central Manufacturing Dist. plans 6-story, 110x140 ft. warehouse on 39th St. to be leased to Cross, Roy & Saunders. About $225,000.

Ill., Chicago—M. Clamitz plans 1-story garage on Madison St. About $20,000.

Ill., Chicago—Guggenheim Bros., 46th St. and Packers Ave., making plans for addition to plant. About $250,000.

Ill., Chicago—(Hawthorne)—Western Electric Co., 48th and 22nd St., made plans for 4- or 5-story addition to plant at Hawthorne. About $700,000.

Ill., Ottawa—Ottawa Silica Co. made plans for plant in Valley Addition. About $150,000.

Ill., Peoria—Great Western Distillery granted permit for addition to plant. About $50,000.

Ill., Peoria—Mackemer Automobile and Sales and Service Station, 810-12 Main St., granted permit for addition. About $50,000.

Ill., Peoria—Peoria Malting Co. granted permit for addition to plant. About $60,000. Noted June 29.

Wis., Manitowoc—W. Hahr Sons Co. plans 500,000-bu. grain elevator and cleaning house. Witherspoon & Engler Co., 1250 Monadnock Bldg., Chicago, Arch. and Engr.

Wis., Milwaukee—Blatz-Kasten Co. plans factory at North Pierce and Central St. About $22,000.

Wis., Milwaukee—Cutler-Hammer Manufacturing Co. making plans for addition, 6-story, 50x283-ft., at 12th St. and St. Paul Ave. About $150,000. H. J. Esser, Camp Bldg., Milwaukee, Arch.

Iowa, Des Moines—C. L. Herring Motor Co. plans 2-story brick service station.

Iowa, Iowa City—J. Luithly plans dairy plant, about $15,000.

Iowa, Mason City—J. E. Becker & Son Packing Co. soon receives bids for 6-story, 80x100-ft. brick and rein.-con. smoke house. About $50,000.

Iowa, Waterloo—Rath Packing Co. making plans for 5-story, 84x114 ft., rein.-con. cold-storage plant. Henschien & McLaren, 37 Van Buren St., Chicago, Arch. About $80,000.

Iowa, Waterloo—B. Schultz plans 3-story warehouse on Commercial St. About $20,000.

Minn., St. Paul—Wege Concrete Machinery Co. plans new factory. About $150,000. A. J. Kroeger, St. Paul, interested.

Kan., Coffeyville—National Refining Co. plans building. About $250,000.

Kan., Hutchinson—Four S Razor Co. receiving bids Nov. 25 for factory on Ave. A. Mann & Gerow, Rorabaugh-Wiley Bldg., Hutchinson, Arch. V. T. Miller, Pres. Noted July 20.

Kan., Wichita—Kanita Refining Co. plans plant. J. A. Corbett, Pres.

Neb., North Platte—J. Pizer plans cold-storage plant and fruit house. About $75,000.

Neb., Omaha—Interstate Flour and Feed Co. plans warehouse at 16th Ave. and tracks, Chicago & Great Western Ry.

Neb., Omaha—Omaha Alfalfa Milling Co. plans 150x157-ft. warehouse.

Neb., Omaha—Waterloo Creamery Co. making plans for new plant, 16th and Pierce St. About $125,000. C. A. Berger, Minneapolis, Arch.

Mont., Laurel—Northern Pacific Ry. plans car shops. About $15,000. H. E. Stevens, St. Paul, Minn., Ch. Engr.

Mo., Kansas City—Briscoe Motor Corporation making plans for new assembling plant. About $300,000.

Mo., Kansas City—C. J. Flanagan, 1002 Waldheim Bldg., interested in 5- or 7-story brick and concrete warehouse at 9th and Liberty St. Estimated cost, $300,000.

Mo., Kansas City—J. W. Jenkins Sons' Music Co. purchased site on South Walnut St. for 6-story warehouse.

Mo., St. Joseph—Richardson Dry Goods Co., 302 North 3rd St., making plans for 4-story, 100x130-ft. brick warehouse, 3rd and Jule St. R. F. Heim, Corby-Forsee Bldg., Arch.

Mo., St. Louis—Central Iron Co. plans plant west side North 16th St.

Mo., St. Louis—Fulton Iron Works making plans for steel forge works. About $500,000. J. O O'Neil, Pres.

Mo., Springfield—Springfield Laundry Co. plans plant.

Ark., Ft. Smith—Arkansas Refinery Co. plans addition, about $50,000. Charles Ditto, Engr.

Ark., Little Rock—E. Stapp, Louisville, Ky., plans flour mill at 1413 East 9th St. About $25,000.

Tex., Manchester—Stauffer Chemical Co., 624 California St., San Francisco, plans plant on ship channel at Manchester.

Tex., Plainview—Holly Sugar Co., Holly, Colo., plans sugar-beet factory at Plainview.

Tex., Sequin—Round Bale Gin Co. receiving bids Dec. 1 for rebuilding of plant.

Okla., Thomas—Thomas Milling Co. plans to rebuild mill and elevator destroyed by fire. Estimated cost, $300,000.

Colo., Denver—Denver Bread Co. making plans for bakery. P. H. Anthony, 1109 Waldheim Bldg., Kansas City, Mo., Arch.

Colo., Denver—C. Ell has plans prepared for garage. Estimated cost, $45,000. R. A. Pierce, Arch.

Colo., Denver—Swift & Co., 1522 20th St., plans to enlarge stockyards. About $500,000.

Colo., Denver—Vulcan Iron Works made plans for factory. About $12,000. R. A. Pierce, Arch.

Colo., Pueblo—Purity Bread Co. making plans for 2-story bakery. P. H. Anthony, 1109 Waldheim Bldg., Kansas City, Mo., Arch.

Utah, Salt Lake City—Cudahy Packing Co. plans plant to cost $100,000.

Wash., Bellingham—Morrison Mill Co. plans 2-story, 50x150-ft. factory. About $20,000.

Wash., North Yakima—J. M. Berry & Co. plans 100x180-ft. addition to warehouse. About $50,000.

Wash., Spokane—Spokane Knitting Mills plans 4-story factory.

Wash., Toppenish—Mutual Creamery Co. plans cheese factory. About $10,000.

Ore., Pendleton—Standard Oil Co. plans fireproof warehouse, pump house and unloading platform.

Calif., Berkeley—C. Huiskamp and R. W. Seward plans brick factory on Blake St. About $17,000.

Calif., Emeryville—Judson Manufacturing Co., 819 Folsom St., San Francisco, plans addition to plant. About $100,000.

Calif., Huntington Park—Warman Steel Casting Co., 650 South Los Angeles St., Los Angeles.

Industrial Works (Continued)

purchased site at Huntington Park and will remove foundry from Redondo Beach, also build 3 new buildings. About $100,000.

Calif., King City—Wideman Goat Milk Co. plans addition. About $10,000.

Calif., Los Angeles—A. C. Martin, 430 Higgins Bldg., plans 2-story building on Washington St. for manufacturing and painting auto bodies.

Calif., Needles—Atchison, Topeka & Santa Fe Ry. plans roundhouse and machine shops. About $500,000. F. M. Bisbee, Amarillo, Tex., Ch. Engr. Western Lines.

Calif., South San Francisco—E. H. Edwards Co., 541 Howard St., San Francisco, plans 1-story, 60x200-ft. factory.

Calif., Stockton—Standard Steel Wheel Co. plans plant. About $40,000. J. M. Benham, Pres.

Ont., London—London & Port Stanley Ry. plans to enlarge repair shops. About $25,000. J. E. Richards, London, Treas. and Mgr.

Ont., Ottawa—R. L. Crain, Spruce St., plans printing plant. About $20,000.

Ont., Rainy River—Blackmore Bros. plan machine shop. About $15,000.

Bids In and Contract Awarded

Maine, Bangor—C. S. Jones, 49 Pickering Sq., let contract bakery to E. C. HODGINS & SON, Bangor, about $10,000. Noted Oct. 26.

Mass., Chelsea—Frost Hospital let contract laundry and heating plant to J. SLOTWIK, 10 Lawrence St., about $14,000. Noted July 6.

Mass., Fall River—Ashworth Bros. let contract factory, 3-story, 88x122-ft., on Globe Mills St. to BEATTY & CORNELL, 33 North Quarry St., Fall River. About $35,000.

Mass., Wakefield—Morrison-Skinner Co. let contract factory and power plant on New Salem St. to CHESTER A. PATTEN, Youle St., Melrose, about $20,000.

Mass., Worcester—Leland-Gifford Co. let contract 4-story addition to plant to J. W. BISHOP CO., 109 Foster St., about $75,000.

Conn., Middletown—Russell Manufacturing Co., South Farms, let contract 2-story, 150x150-ft. factory to D. O'BRIEN, 80 Crescent St.

Conn., Waterbury—Scovill Manufacturing Co. let contract for 1-story, 125x220-ft., and 2-story, 50x170-ft. factory on Silver St. to McCLINTOCK & MARSHALL.

N. Y., New York—(Brooklyn)—(Official)—Doehler Die-Casting Co. let contract addition at Court and 9th St. to TURNER CONSTRUCTION CO., 11 Broadway, Manhattan, about $150,000.

Penn., Ardmore—Auto Car Co. let contract addition to J. R. WIGGINS & CO., Heed Bldg., Philadelphia, about $35,000. Noted Sept. 7.

Penn., New Castle—Pullmore Motor Truck Co., incorporated with $800,000 capital stock, let contract first unit of plant to S. AUSTIN CO., 14,230 Euclid Ave., Cleveland. J. F. Young, Frick Bldg., Pittsburgh, Pres.

Penn., Philadelphia—(Tacony)—Erben-Harding Co., Commercial Trade Bldg., let contract 4-story, 100x150-ft. factory to W. STEELE & SONS CO., 1600 Arch St.

Penn., Philadelphia—R. A. Heymann & Bro., Widener Bldg., let contract auto show rooms, Broad and Wallace St., to I. T. SHOEMAKER, 1324 Walnut St., about $36,000.

Penn., Philadelphia—Packard Motor Car Co. let contract 8-story, 49x69-ft. addition to J. R. WIGGINS & CO., 1215 Filbert St., Philadelphia. Noted Aug. 3.

Penn., Philadelphia—Philadelphia Enamel Manufacturing Co., 1311 Vine St., let contract 1-story, 120x200-ft. factory, 82nd St. and Bartram Ave., to C. H. SCHWARTZ. Noted Nov. 9.

Del., Wilmington—Wilmington Leather Co. let contract 6-story, 50x200-ft. factory to JOYCE & KERRIGAN, Wilmington, about $57,000. Noted Sept. 21.

S. C., Rockhill—Hamilton Carhatt Cotton Mills let contract first unit Mill No. 2 to SELLERS & PAGGETT, Columbia. Plant to consist of 3 units, about $300,000.

Ga., Columbus—Meritas Mills Corporation let contract to T. C. THOMPSON & BROS., for addition. About $250,000.

La., Shreveport—Wray-Dickinson Sales and Garage Co. let contract service station and automobile building to W. H. WERNER, Shreveport, about $50,000. Noted Nov. 9.

Ohio, Massillon—Massillon Foundry and Machine Co., West St., let contract plant to E. CONVERSE, Massillon. Noted Oct. 19.

Ill., Chicago—Marks Manufacturing Co., Conroy Bldg., let contract plant, 93rd St. and Lake Michigan Steel Furnace, to McCALL CONSTRUCTION CO., 327 South La Salle St. About $50,000.

Ill., Chicago—Swift & Co., U. S. Yards, let contract 7-story storage house to C. A. MOSES CONSTRUCTION CO., 133 West Washington St., about $66,000.

Ill., Pekin—Atchison, Topeka & Santa Fe Ry. let contract 1-story, brick and concrete roundhouse and turntable to LUNDGREN & CARLSON, 213 Jackson St., Topeka, Kan., about $14,000.

Wis., Beaver Dam—R. Christian, Burnett, let contract garage and repair shop to HUTTER CONSTRUCTION CO., Fond du Lac. Noted Mar. 2.

Wis., Eau Claire—J. H. Kaiser & Son, Menomonie St., let contract 1-story, 80x150-ft. box and crating factory to R. L. RICHMAN, Eau Claire.

Wis., Milwaukee—Milwaukee Dairy Supply Co. let contract factory at 12th and Burleigh St. to STATE CONCRETE BLOCK CO., 3112 Burleigh St., about $15,000. Noted Mar. 16.

Minn., Minneapolis—Curtis, Yale, Howard Co., Security Bldg., let contract factory, 1901 Fifth St., N. E., to DAVIS CONSTRUCTION CO., 706 Plymouth Bldg., about $19,500.

Kan., Arkansas City—Milliken Oil Co., Merchants Exchange Bldg., St. Louis, Mo., let contracts for refinery to J. W. TRASK CONSTRUCTION CO., Arkansas City, excavating, concrete and steel erection, to ATLAS CONSTRUCTION CO., Tulsa, Okla., brick work. About $1,000,000. Noted Sept. 7.

Kan., Hutchinson—Kansas Packing Co., Rorabaugh-Wiley Bldg., let contract remodeling plant to TOWLE ENGINEERING CO., City National Bank Bldg., Omaha, Neb. About $100,000. Noted May 11.

Neb., Columbus—Beatrice Cold Storage Co. let contract plant to J. B. BRACK, Columbus, about $25,000.

Neb., Lincoln—F. DuTeil, 140 North O St., let contract 2-story garage to W. D. LAWRENCE, 1122 Washington St., Lincoln, about $25,000. Noted Nov. 9.

Neb., Norfolk—Albough Dover Co. received low bid 1-story, 80x100-ft. factory from W. J. Creedon & Co., Norfolk, $38,401. Noted Sept. 28.

Neb., Omaha—Fairmont Creamery Co., 12th and Jones St., let contract 2-story factory to J. H. HARTE, 1608 Webster St., Omaha, about $50,000. Noted Nov. 2.

Mo., Kansas City—Punton Bros. Publishing Co. let contract addition to HARRY SHEPHERD, 2421 Troost Ave., Kansas City. About $17,500.

Mo., Kansas City—Wells Fargo Co. let contract garage and stable to LONSDALE BROS., 520 Bryant Bldg., Kansas City, about $100,000.

Mo., St. Louis—Branoso Realty Co. let contract factory at 4409 Cook Ave. to MURCH BROS. CONSTRUCTION CO., Railway Exchange Bldg., about $40,000.

Tex., Wichita Falls—Wichita Mill and Elevator Co. let contract grain elevators to BURRELL ENGINEERING AND CONSTRUCTION CO., Chicago.

Calif., Sacramento—A. Teichert let contract carriage factory to TEICHERT & AMBROSE, about $15,000.

Calif., San Francisco—M. A. McLaughlin has awarded the contract for a 2-story factory to FARRELL & REED, Gunst Bldg., about $25,417.

Calif., San Francisco—United States Envelope Co. let contract 4-story warehouse to P. A. PALMER, Monadnock Bldg.

Ont., Galt—Galt Brass Works let contract addition to P. H. SECORD & SONS, Brantford, about $15,000.

FEDERAL GOVERNMENT WORK

Proposed Work

Mass., Boston—Rubblestone—U. S. Engr. Office, Boston, receiving bids Dec. 15, in jetties of Newburyport Harbor, Mass. (See adv.)

N. Y., New York—Dredging and Rock Removal—U. S. Engr. Office, Room 710 Army Bldg., 39 Whitehall St., New York, receiving bids Dec. 8, in Port Chester Harbor, N. Y. (See adv.)

N. Y., New York—Groins, Etc.—U. S. Engr. Office, Room 802, 39 Whitehall St., receiving bids Dec. 1 for timber groins and repair of seawall near southern boundary of Sandy Hook Reservation, N. J. (See adv.)

N. Y., Syracuse—Post Office—J. A. Wetmore, Superv. Arch., Treasury Dept., Washington, D. C., receives bids in December.

N. Y., Tompkinsville—Cables—Lighthouse Inspector receiving bids Nov. 27, 2-, 1-, ⅞-in. stud link chain.

N. Y., Tompkinsville—Engine—Lighthouse Inspector, Tompkinsville, receiving bids Dec. 16 for one 150-hp. marine oil engine and 1 hoisting engine. (See adv.)

N. J., Ft. Hancock—Water Tank and Tower—Quartermaster, Ft. Hancock, receiving bids Dec. 5 for repairing, 50,000-gal. (See adv.)

Penn., Philadelphia—Riprap Stone—U. S. Engr. Office, Philadelphia, receiving bids Nov. 28, in Delaware River, at Artificial Island.

Md., Frederick—Post Office—J. A. Wetmore, Superv. Arch., Treasury Dept., Washington, D. C., receiving bids Dec. 26.

Wash., D. C.—Railway Tracks—Dist. Comrs., Room 509, Dist. Bldg., receiving bids Nov. 27 for restoring street-railway tracks to grade on 1st St. east from B St. south to B St., north. (See adv.)

Va., Cape Charles—Buildings—J. A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., receiving bids Dec. 14 for officers' quarters at U. S. Quarantine Station, Cape Charles.

W. Va., Wheeling—Lock Gates—U. S. Engr. Office, Wheeling, receiving bids Dec. 14, at Dam No. 21, Ohio River. (See adv.)

W. Va., Wheeling—Steel, Castings, Etc.—U. S. Engr. Office, Wheeling, receiving bids Dec. 5 for metal work for Dams Nos. 23, 25 and 27, Ohio River. (See adv.)

S. C., Charleston—Buildings—Bureau Yards and Docks, Navy Dept., Washington, D. C., receiving bids Dec. 4 for radio building, masts and tower. Noted Nov. 16.

S. C., Marion—Post Office—J. A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, receiving bids Jan. 18.

Ohio, Cincinnati—Lock Gates—U. S. Engr. Office, Cincinnati, receiving bids Dec. 19, Dams Nos. 31 and 35, Ohio River. (See adv.)

Ohio, Cincinnati—Wicket Irons, Horses, Etc.—U. S. Engr. Office, Cincinnati, receiving bids Dec. 8, at Ohio River Dams Nos. 31, 33, 35 and 39. (See adv.)

Ind., Indiana Harbor—Breakwater—U. S. Engr. Office, 508 Federal Bldg., Chicago, receiving bids Dec. 15 for rubble mound breakwater at Indiana Harbor. (See adv.)

Mich., Dowagiac—Post Office—J. A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, receiving bids Dec. 22.

Mich., Grand Rapids—Riprap—U. S. Engr. Office, Grand Rapids, receiving bids Dec. 11, 56,000 tons at Ludington Harbor, Mich.

Iowa, Maquoketa—Post Office—J. A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, receiving bids Dec. 26. Noted June 8.

Mont., Browning—Bridge—U. S. Rec. Ser., Washington, receiving bids Dec. 20 for 1 steel highway bridge consisting of four 41-ft. 6-in. pony truss spans over spillway at Sherburne Lakes Dam, Milk River Project. (See adv.)

Tex., Ft. Sam Houston—Building—C. Abel, Constructing Quartermaster, Ft. Sam Houston, receiving bids Nov. 28.

Tex., Nacogdoches—Post Office—J. A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, receiving bids Dec. 28.

Colo., Denver—Excavators—U. S. Rec. Ser., Denver, receiving bids Nov. 24, North Platte Project, Wyo. A. P. Davis, Ch. Engr. Noted Oct. 5.

Ariz., Yuma—Levee Improvement—U. S. Engr. Office, 723 Central Bldg., Los Angeles, Calif., receiving bids Dec. 15. Noted Feb. 10.

Panama—Garbage Plant—Government plans 180-ton.

Panama—Miscellaneous Supplies—E. I. Brown, Gen. Pur. Agt., Panama Canal, Washington, D. C., receiving bids Dec. 2, Circular 1100.

Panama—Miscellaneous Supplies—E. I. Brown, Gen. Pur. Agt., Panama Canal, Washington, D. C., receiving bids Dec. 8, Circular No. 1102.

Bids In and Contracts Awarded

N. J., Woodbury—Post Office—Government rejected bids. Noted Nov. 16.

Penn., Media—Post Office—J. A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., received low bids (a) limestone, (b) sandstone, from J. G. Unkefer & Co., Minerva, Ohio, (a) $58,400, (b) $59,800; E. T. Abbott Construction Co., 1133 Broadway, New York, (a) $60,886, (b) $61,900; C. McCaul Co., Philadelphia, (a) $63,850, (b) $65,000. Noted Oct. 12.

Penn., Philadelphia—Dredging, Etc.—U. S. Engr. Office, Philadelphia, received low bids in Delaware River, Philadelphia Harbor, (a) Sect. K, (b) Sects. L and M, (c) Sects. K, L and M from Maryland Dredging and Contracting Co., Baltimore, Md., (c) 10.5c.; Coastwise Dredging Co., Norfolk, Va., (a) 11c.; American Dredging Co., Philadelphia, (a) 10.2c., (b) 10.2c., (c) 9.9c. Noted Oct. 12.

D. C., Washington—Bridges—Dist. Comrs. rejected bids, 7 span on Benning Rd. Noted Nov. 16.

D. C., Washington—Equipment Shops—Government let contract for Post Office Dept., to DAVIS CONSTRUCTION CO., Washington, D. C., $120,936. Noted Nov. 2.

D. C., Washington—Wall—Dist. Comrs. let contract portion wall on Canal Rd. to W. D. MURRAY, Washington, $22,000. Noted Nov. 9.

Va., Norfolk—Buildings—Bureau of Yards and Docks, Navy Dept., Washington, received low bids for student officers' quarters, Navy Yard, from J. H. Nolan Construction Co., Washington, D. C., $42,120; R. R. Richardson, Norfolk, $47,430; Harwood & Moss, Newport News, $47,777. Noted Nov. 9.

Tex., Velasco—Coast Guard Station—U. S. Coast Guard Office, Washington, D. C., received low bids from W. D. Lovell, Minneapolis, Minn., $17,800; J. W. Zempter, Galveston, $21,748; Livingston & Fields, Freeport, $26,490. Noted Oct. 19.

Idaho, Boise—Post Office—J. A. Wetmore, Act. Superv., Treasury Dept., Washington, D. C., let contract to WELCH BROS. & HANNAMAN, Kalispell, Mont., $32,874. Noted Nov. 2.

Wash., Wenatchee—Post Office—J. A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., received low bids, (a) limestone, (b) sandstone, from J. Wallin & Co., Tacoma, (a) $78,092, (b) $80,300; Sound Construction and Engineering Co., Seattle, (a) $79,634, (b) $81,634; Henriksen & Co., Seattle, (a) $79,698, (b) $80,798. Noted Oct. 12.

CANALS, DITCHES AND IRRIGATION

Proposed Work

N. Y., New York—(Brooklyn)—Dredging—R. A. C. Smith, Comr. Docks, Pier "A," Battery Pl., North River, Manhattan, receiving bids Dec. 4 for dredging at foot of 29th, 30th and 35th St., South Brooklyn.

N. Y., Niagara Falls—Ditch—A. Carr, City Mgr., recommended ditch across lands of Niagara Falls Power Co. along east line Union St. for diversion Pike Creek.

La., Lake Charles—Canal—Taxpayers plan to vote special tax for $250,000 for deepening Calcasieu-Sabine sect. of intercoastal canal. C. E. Going, of Clooney Construction Co., Lake Charles, interested.

Ohio, Cleveland—Dredging—City plans to levy tax for dredging river. About $70,000. R. Hoffman, City Engr.

Ohio, Dayton—Ditch—Montgomery County plans Murr Ditch, Madison Township. About $10,000. Address County Clk., Dayton.

Ill., Homer—Drainage—Grove River Drainage Dist. No. 2, Banks County, plans drainage ditch. J. M. Wood and W. M. Thomas, Homer, interested.

Minn., Duluth—(Official)—Ditch—St. Louis County receiving bids Dec. 9 for County Ditch No. 6 to drain land between Whiteface River on east and St. Louis River on west. About $250,000. O. Halden, Duluth, County Audr. A. J. Bawden, Engr.-in-Charge. Noted Oct. 26.

Minn., Moorhead—Ditch—Bd. Comrs. Clay and Wilkin Counties plan to repair Judicial Ditch No. 1. About $12,000. Address County Clk., Moorhead.

Mo., Marshall—Drainage—Fish Creek Drainage Dist. organized to change channel of Fish Creek to stop overflows. L. Strodtman and John Meyer, Supervs.

Ore., Medford—Irrigation—J. W. Dunlop, Medford, applied to A. Lewis, State Engr., for permission to appropriate waters of Rogue River to irrigate about 17,000 acres. About $200,000.

Bids In and Contracts Awarded

N. Y., New York—(Brooklyn)—(Official)—Dredging—Low bidders (a) dredging Newtown Creek Canal at Metropolitan Ave. Basin near intersection Scott and Metropolitan Ave., (b) Wallabout Canal from Hewes St. to point 1,450 ft. north of Hewes St. were: (a) J. & J. McSpirit, 118 Wayne St., Jersey City, $0.585 per cu.yd., (b) R. G. Packard Co., 133 Greenwich St., Manhattan, $0.80 per cu.yd. Noted Nov. 9.

S. C., Greenwood—Drainage—City let contract 13 mi. drainage canals to C. W. BOYD and H. PARKER, Gastonia.

Miss., Marks—(Official)—Drainage—Comrs. Indian Creek Drainage Dist. let contract 1,665,000 cu.yd. ditch and 737,000 cu.yd. levee to NATIONAL CONTRACTING CO., Alexandria, Minn., about $235,000. Noted Nov. 2.

Ill., Quincy—(Official)—Drainage—Indian Grave Drainage Dist. let contract 1,154,000 cu.yd. ditches for drainage to R. H. & G. A. McWILLIAMS, 1111 McCormick Bldg., Chicago, 8.95c. per cu.yd. levees and channels, 12.45c per cu.yd. Noted Oct. 26.

Iowa, Algona—Ditch—Kossuth County let contract Drainage Ditch No. 138 to GRAETTINGER TILE WORKS, Graettinger, about $7,984.

Iowa, Estherville—Ditch—Emmet County let contract Ditch No. 110 to C. BENSON, $5,734; GRAETTINGER TILE WORKS, Graettinger, Ditch No. 104, $31,159.

Iowa, Garner—Drainage—Hancock, Kossuth and Wright Counties let contract labor for ditches to L. H. THOMPSON, Holmes, $24,479; tile to MONMOUTH CLAY MANUFACTURING CO., Monmouth, Ill., $26,840.

Iowa, Nevada—Ditch—Story County let contract ditch Nevada Township Drainage Dist. No. 71, labor to A. HANSON, Collins, tile to IOWA PIPE AND TILE CO., Des Moines. About $11,000.

Minn., Oliva—Ditch—Renville County received bids tile work for Ditch No. 63 from Northwestern Drainage Co., Grand Rapids, $318,760, and KIRCHER BROS., St. Paul, $325,000. Noted Oct. 5.

Minn., Olivia—Ditch—Renville County received bids Ditch No. 70 from W. B. Bosworth, Ada, $27,000; N. L. Neilson, Fulda, $27,500; C. Sorenson, Slayton, $29,000. Noted Oct. 5.

Minn., Ortonville—(Official)—Ditch—Big Stone County let contract Ditch No. 12 to T. BARR, Correll, about $4,932. Noted Aug. 24.

Minn., Redwood Falls—Ditch—Redwood County let contract tile work Ditch No. 18 to W. C. MARKLAND, Fairmont, $48,100; Ditch No. 17, G. E. GILBERTON & SON, St. James, $61,900; open work for both ditches to NATIONAL CONSTRUCTION CO., 614 Metropolitan Life Bldg., Minneapolis. Noted Oct. 26.

Minn., Windom—Cottonwood County let contract Ditch No. 32 to D. A. LEHART, Mountain Lake, $17,300; Ditch No. 28, N. DANSGARD, Calender, $25,500.

Idaho, Emmett—Drainage—Canyon County Drainage Dist. No. 1 let contract 14 mi. ditching to MANEY BROS. & WELLS, Boise, about $95,000. Noted Oct. 5.

Wash., Seattle—Dredging—City let contract 580,000 cu.yd. dredging Lake Washington Canal to ERICKSON CONSTRUCTION CO., about $110,780.

Ore., Nyssa—Irrigation—Nyssa-Arcadia Irrigation Dist., Malheur County, let contract ditches to MANEY BROS. & CO., Boise, Idaho, $58,567. Noted Feb. 24.

MISCELLANEOUS

Proposed Work

Mass., Boston—Crane—Simpson Bros. Corporation, 166 Devonshire St., plans to purchase a 3- to 5-ton electric traveling crane with or without motors, span 23x5-in. or more.

N. Y., Buffalo—Playground City plans, Bryant St. G. H. Norton, City Engr.

N. Y., New York—(Brooklyn)—(Official)—Elevated Railway—Pub. Ser. Comn. for First Dist., 120 Broadway, Manhattan, receiving bids Nov. 29 for connecting link between New Utrecht Ave. (West End Line) and Culver Rapid Transit R.R., Sect. 1-A, Route 49.

N. Y., New York—(Manhattan)—Stadium—Bd. Estimate appropriated $17,000 for improving Lewisohn Stadium at City College, St. Nicholas Ave. and 139th St. T. A. Storey, Dir. Athletic Activities.

N. Y., New York—(Manhattan)—Station Finish—Pub. Ser. Comn. for First Dist., 120 Broadway, receiving bids Dec. 4 for station finish for 9 stations of Seventh Ave.-Lexington Ave. Rapid Transit R.R.

Penn., Harrisburg—Park—City retained A. W. Brunner, Arch., 101 Park Ave., New York, to make plans for improving Capitol Park. W. H. Manning, Boston, Consult. Arch. M. B. Cowden, City Engr. Noted June 15.

Penn., Knoxville—Park—Borough voted $80,000 bonds.

Penn., Rankin Station—(Braddock post office)—Parks and Playgrounds—Citizens voted $30,000 bonds.

La., New Orleans—Stadium—Tulane University making plans for stadium. F. G. Churchill, New Orleans, Arch. R. Sharp, A. M., Pres.

Ohio, Barberton—Elimination of Grade Crossings—Council passed ordinance to eliminate grade crossing on Center St.

Ohio, Hamilton—Fire Station—City plans, about $12,000. A. L. Egry, Dir. Pub. Safety.

Ohio, Lakewood—Park Improvements—Citizens defeated $75,000 bonds. Noted Oct. 5.

Ohio, Lima—(Official)—River Improvements—City receiving bids Dec. 7 for improving Ottawa River from west line of Main St., City of Lima, to north right-of-way of Erie Railroad Co. northwest quarter of Sect. 1, Shawnee Township, Allen County. A. L. Metheany, Dir. Pub. Ser. C. H. Bryson, City Engr. Noted Nov. 2. (See adv.)

Ohio, Warren—Park—City plans, West Market and Ohio St. H. S. McKibben, City Engr.

Ind., South Bend—Elimination of Grade Crossing—City passed resolution to eliminate tracks of New York Central Lines West of Buffalo from High to Cherry St. F. J. Anderson, City Engr. G. C. Cleveland, St. Clair Ave. and West 3rd St., Cleveland, Engr. Noted Feb. 24.

Mich., Benton Harbor—Park—Citizens defeated $18,000 bonds.

Mich., Flint—Subway—City receiving bids Dec. 1 for 185½ tons structural steel for subway under tracks Pere Marquette R.R. About $50,000. A. Shoecraft, City Engr. Noted June 22.

Ill., Chicago—(Official)—Bathing Beaches—Citizens defeated $2,450,000 bonds for bathing beaches, parks, playgrounds and swimming pools. Noted Oct. 26.

Wis., Superior—(Official)—Dock—Northern Pacific Ry receiving bids Nov. 28 for 600-ft. addition to ore dock. About $175,000. H. E. Stevens, St. Paul, Ch. Engr. Noted Nov. 16.

Iowa, Des Moines—Park Improvements—City plans $115,000 bond issue. K. Kastberg, City Engr.

Minn., Minneapolis—Playground—Playgrounds Comn. of Bd. Park Comrs. recommended city purchase 10-acre site at 39th St. and Park Ave. for playground.

Kan., Winfield—Park Improvements—City election Dec. 5 to vote on $15,000 bonds.

Tex., Dallas—Fire Station—City plans, Bishop Ave. and Davis St.

Tex., Galveston—Seawall—Galveston County plans to extend seawall in east end of Ave. K between 6th and 7th St. U. S. Government to bear part of cost. E. R. Cheesborough, Pres. Galveston Commercial Assoc., interested.

Okla., Oklahoma—Elimination of Grade Crossings—Oklahoma County plans to abolish grade crossings. H. C. Adams, Oklahoma, County Engr.

Calif., Los Angeles—Wharf—Harbor Comn. to borrow $50,000 from general fund of city for wharf for Pacific Steamship Co. H. Hamlin, City Engr.

Calif., Newport Beach—Beach Protection and Jetty Work—City making plans. About $125,000. C. T. Leeds, Central Bldg., Los Angeles, Engr. Noted Oct. 12.

Man., Winnipeg—Cement—R. D. Waugh, Chn. Comrs., 901 Boyd Bldg., receiving bids Nov. 27 for about 200,000 bbl. portland cement.

Bids In and Contracts Awarded

N. Y., New York—(Boroughs of Bronx and Queens)—(Official)—Signal Towers—Pub. Ser. Comn. for First Dist., 120 Broadway, Manhattan, let contract 13 signal towers on River Rd. Ave. and Jerome Ave. extension of Seventh Ave.-Lexington Ave. line, White Plains Rd. line and Queensboro Subway to H. C. STOWE CONSTRUCTION CO., 221 Greenpoint Ave., Brooklyn, $110,650. Noted Nov. 16.

N. Y., New York—(Manhattan)—(Official)—Pier—Riverside Contracting Co., 39 Cortland St., at $42,178, low bidder extending Pier No. 20, foot Chambers St., Contract No. 1420. Noted Nov. 16.

N. Y., New York—(Manhattan)—(Official)—Pier—Riverside Contracting Co., at $33,834, low bidder extending Pier No. 21, foot Duane St., Contract No. 1549. Noted Nov. 16.

Penn., Philadelphia—Comfort Station—City let contract, Cornelius Park, to J. CONNOR, 2848 Frankford Ave., about $6,300. Noted Sept. 7.

Penn., Philadelphia—Park Improvements—City received low bid 22nd and Sedgely St., from Monaghan & Losse, about $25,319.

Penn., Philadelphia—Playground Improvements—City received low bid, C and Indiana Ave., from Mundy Paving and Construction Co., about $14,400. Noted Sept. 14.

Penn., Philadelphia—Playground Improvements—City received low bid, Francis and Shirley St., from M. & J. McHugh, 892 North Markoe St. Noted Sept. 14.

Penn., Philadelphia—Playground Improvements—City received low bid, 6th and Christian St., from Mundy Paving and Construction Co., about $6,200. Noted Sept. 28.

La., New Orleans—Levee—City let contract Wildwood Levee, about 457,000 cu.yd., to O. O. OGDEN, 203 Roumain Bldg., Baton Rouge, 10.23c. per cu.yd.

Ohio, Cleveland—(East Cleveland)—Park Improvements—City let contract to ROWE & GILES, about $14,000.

Ohio, Dayton—Fill—County let contract fill and improvement New Trot Pike to FARRELL & CRAMPTON, about $8,354.

Ohio, Dayton—Levee—Council rejected only bids for widening and strengthening levees on new dam along Miami River. Noted Nov. 16.

Wis., Milwaukee—Animal House—Bd. Park Comrs. let contract, Washington Park, to J. P. JONES, about $55,851. Noted Oct. 26.

Mo., Jefferson City—(Official)—Retaining Wall—City let contract, Monroe St., to J. POPE. Noted Nov. 2.

Tex., Donna—Levee—City let contract Sect. 3 levee to E. CALHOUN & CRANOFOMT, Pharr.

Ont., Preston—(Official)—Subway, Etc.—Council receives bids for steel for subway and bridge about April. Concrete abutments and retaining walls to be built by day labor. C. S. McKenzie, City Engr. Noted Oct. 26.

BUILDINGS

Proposed Work

Maine, Darkharbor—Hotel—Islesboro Inn made plans, 3-story. Evans & Warner, Philadelphia, Arch.

Maine, Islesboro—Hotel—Islesboro Inn Co. making plans, 3-story, 45x200-ft. About $90,000. Evans & Warnes, Witherspoon Bldg., Philadelphia, Penn., Arch.

Vt., Proctor—High School—City making plans, 1-story, 40x110-ft. About $60,000. R. C. Sturgis, 120 Boylston St., Arch.

Mass., Boston—Hotel—Merchants Realty Trust making plans, 7-story. Blackall, Clapp & Whittemore, 20 Beacon St., Boston, Arch.

Mass., Concord—School—Council voted appropriation of $55,000.

Mass., Maynard—Grammar School—Bd. Education making plans, 2-story. About $55,000. E. B. McGirr and H. E. Warren, 6 Beacon St., Boston, Archs. Noted Nov. 2.

Mass., Milton—School—Milton Academy making plans, 3-story. G. F. Sheppard, 14 Kilby St., Boston, Arch.

Mass., New Bedford—School—City making plans, 1-story, 140x200-ft. About $150,000. L. E. Destremps, Theater Bldg., Arch.

Conn., Wethersfield—School—Bd. Education soon receives bids, 1-story, 150x180-ft. About $50,000. Unkelbach & Perry, New Britain, Arch. Noted Oct. 12.

N. Y., Buffalo—Temple—Labor Temple of Buffalo and Vicinity, Inc., 103 Jefferson St., making plans, 6-story. About $100,000. Esenwein & Johnson, Ellicott Sq., Arch.

N. Y., Gouverneur—Church—St. James Congregation making preliminary plans, 1½-story, 55x150-ft. About $65,000. D. D. Kieff, Flower Bldg., Watertown, Arch.

N. Y., Jamestown—Freight Station—Erie R.R. plans. R. S. Parsons, New York, Asst. to Ch. Engr.

N. Y., Kingston—Theater—George Cohan's Kingston Theater Corporation making plans, 1- and 2-story. About $60,000. G. S. Betz, 61 John St., Kingston, Arch.

N. Y., New York—(Bronx)—(Official)—Theater, Store and Office—Sober Realty Co., 15 East 48th

Buildings (Continued)

St., receiving bids for 2-story, 99.4x100-ft. brick at 125 East 125th St. About $60,000. G. M. Pollard, 347 5th Ave., Arch.

N. Y., New York—(Bronx)—C. B. J. Snyder, Supt. School Bldgs., Park Ave. and 59th St., Manhattan, receiving bids Dec. 4 for addition to Public School No. 32, East 183rd St.

N. Y., Orchard Park—Club House—Park Club of Buffalo, 1401 Elmwood Ave., making preliminary plans, 2-story, 55x130-ft. About $50,000. Colson & Hudson, 35 Dun Bldg., Buffalo, Arch. Noted June 22.

N. Y., Rochester—(Official)—Church—Bids received about Feb. 1 for Lake Avenue Baptist Church. About $100,000. Foote, Headly & Carpenter, Carter Bldg., Arch. Noted Oct 5.

N. Y., Syracuse—School—Bd. Education soon lets contract for 2-story. About $250,000. Sacket & Park, 34 Syracuse Savings Bank Bldg., Arch. Noted Aug 24.

N. J., Atlantic City—Hotel—Hotel Dupont made plans, Virginia Ave. and Beach St. Hewitt & Granger, Philadelphia, Arch.

N. J., Trenton—State Bd. Education approved appropriation of $60,000 for administration building for School for Deaf.

N. J., Trenton—Young Men's Hebrew Association making plans for improving building. W. W. Black & Son, Trenton, Arch. Noted Nov. 16.

N. J., Trenton—Church—St. Pauls Methodist Episcopal Congregation making plans, 1- and 3-story, 52x115-ft. About $60,000. G. E Savage, Witherspoon Bldg., Philadelphia, Penn., Arch.

N. J., Woodbridge—Synagogue—Adeth Israel Congregation plans. J. Rauchman, 108 Barron Ave., Pres.

Penn., Biglerville—School—School Bd. making preliminary plans. Hauer & Mowers, Lebanon, Arch.

Penn., Chester—School—Citizens voted $300,000 bonds.

Penn., Chester—City made plans for 2-story, 80x80-ft. building with 2 wings to be used as city hall and police station. C. W. Brazer, 1177 Broadway, New York, Arch.

Penn., Ft. Washington—School and Assembly Hall—Upper Dublin Township making plans, 2-story, stone, about $40,000. C. E. Schermerhorn, Arch.

Penn., Harrisburg—Church and School—Holy Communion Evangelical Lutheran Church plans. About $120,000. H. A. Dempwolf, York, Arch.

Penn., Lancaster—Church and School—Covenant United Brethren Church plans, about $75,000.

Penn., Lititz—Lititz Springs National Bank plans new building in spring.

Penn., Pittsburgh—High School—G. W. Gerwig, Secy., Bd. Education, 725 Fulton Bldg., receives bids Dec. 5 for Westinghouse High School, Monticello St. and Mutland Ave. G. S. Orth & Bro., Farmers Bank Bldg., Arch.

Penn., Reading—Club House—Wyomissing Club soon receives bids, 4-story, 48x132-ft., brick and stone, about $75,000. Duhring, Okie & Ziegler, Bailey Bldg., Philadelphia, Arch. Noted Sept. 28.

Penn., Sharon—Sharon Lodge of Elks plans building. D. W. Christie and R. W. Cohen, Members Bldg. Com.

Penn., Tarentum—Hospital—City plans, about $131,000 available. J. H. Andrews, Steubenville, Ohio, interested.

Penn., Wilkes-Barre—Hospital—City made plans on Division St., 2-story, tile and stucco. T. Podmore, Arch.

Penn., Williamsport—School—Bd. Education making plans, 1-story. About $40,000. F. A. Rinhard, Masonic Temple, Arch.

Del., Laurel—Bank—People's National Bank making plans. About $75,000 T. Wells, Pietsch American Bldg., Baltimore, Md., Arch.

Del., Wilmington—Y. M. C. A. making plans for new building. About $250,000. E. C. May, Wilmington, Arch.

Md., Baltimore—University School for Boys, Bellona and Gittings Ave., plans 3 buildings. About $60,000. O. Bond and T. G. Machen, Archs.

D. C., Washington—Club House—National Athletic Club plans on New York Ave., between 13th and 14th St. About $650,000.

Va., Richmond—City plans court building. About $50,000. R. L. Peters, Pres.

Va., Suffolk—High School—Bd. Education making plans, 2-story, 60x112-ft. About $50,000. R. E Mitchell and P. Hale, Greenwood Bldg., Norfolk, Archs.

N. C., Baden—Lodge and Theater—Aluminum Co. of America made plans, 3-story, 52x124-ft. H E. Kennedy Co., Home Trust Bldg., Pittsburgh, Penn., Arch.

Ga., Augusta—City voted $100,000 bonds to rebuild Tubman High School.

La., Shreveport—Church—Lutheran Congregation plans. I. J. Haag, Pastor.

Ky., Danville—School—Citizens voted $60,000 bonds.

Ky., Louisville—Besten & Langen, 424 South 4th St., making plans for 5-story store building. About $50,000. J. J. Gaffney, 2nd Ave. and R.R. crossing, Arch.

Ky., Louisville—Dormitory—Pendennis Club plans election Nov. 27 to vote on proposition to build 6- or 7-story dormitory. Noted Nov. 16.

Ohio, Cleveland—School—Bd. Education plans addition to Tremont School, Tremont St. and Kenilworth Ave., S. W. About $200,000

Ohio, Cleveland—Union Building and Improvement Co. plans to enlarge Union Bldg. on Euclid Ave. About $150,000. H. T. Jefferson, Arch.

Ohio, Cleveland—Church—First Christian Science Congregation, Cedar Ave. and East 46th St., plans on Euclid Ave. and East Blvd. About $200,000. Hubbell & Benes, 4500 Euclid Ave., Arch.

Ohio, Covington—See item under "Streets and Roads."

Ohio, Dayton—School—Bd. Education soon receives bids, about $150,000. A. Pretzinger and E. P. Musselman, Reibold Bldg., Archs.

Ohio, East Youngstown—Dollar Savings Bank receives bids about Dec. 15 for 1- and 2-story, 50x115-ft. branch building. C. F. Owsley, Arch.

Ohio, Hamilton—(Official)—City Hall—City defeated $300,000 bonds. C. Manny, City Clk. Noted Oct. 26.

Ohio, Salem—Temple—F. and A. M. making plans. About $50,000.

Ohio, Somerset—Grade and High School—Bd. Education receiving bids Dec. 1, 2-story, 95x106-ft. About $40,000. Rusk & Sheets, 608 Brunson Bldg, Columbus, Arch. Noted Nov. 2.

Ohio, Youngstown—Hotel—Realty Trust Co. plans, 16-story, at intersection East Federal St. and Central Sq. About $750,000

Ind., Goshen—Church—First Congregational made plans. About $100,000. Ellwood & Ellwood, Arch.

Ind., Indianapolis—(Official)—High School—City sold $150,000 bonds. Noted Nov 2.

Ind., Miller—Lodge—Eagles Lodge plans. About $50,000.

Ind., Sullivan—Hospital—Sullivan County receiving bids Dec 30. L. Springer, Secy., Bd. Trustees. Noted Nov. 9.

Mich., Ann Arbor—Alumni and Faculty of University of Michigan making plans for 4-story building. About $700,000. Pond & Pond, 64 East Van Buren St., Chicago, Arch.

Mich., Calumet—Hospital—Calumet Public Hospital Association plans new building About $60,000.

Mich., Detroit—Vinton Co. plans 12-story, brick and terra cotta building on Congress St. and Woodward Ave. About $3,000,000. R. B. Vinton, 63 Stimson Pl., Pres.

Mich., Grand Rapids—School—Bd. Education receiving bids Dec. 1, 2-story. About $60,000. H H. Turner, North Division St., Arch.

Mich., Pontiac—Church—First Presbyterian Congregation making preliminary plans, 1-story, 75x132-ft. About $50,000. S. R. Badgley, Wise Bldg., Cleveland, Ohio, Arch.

Ill., Chicago—Theater—Woodlawn Amusement Co. plans, 2-story, brick and concrete, 848-58 63rd Pl., E. About $75,000. C. W. & G. L. Rapp, Arch.

Ill., Westville—High School—Township High School Bd. lets contract soon, 2-story, 80x130-ft. About $50,000. L. F. Steube, Adams Bldg., Danville, Arch.

Wis., Bangor—School—H. Solten, Clk., Joint School Dist. No. 6, receiving bids Dec. 7. Chandler & Park, Racine, Arch. Noted Mar. 2.

Wis., Milwaukee—Mitchell St. State Bank, Mitchell St. and 6th Ave., plans 2-story, concrete building. About $75,000. J. T. Johnston, Pres.

Wis., Stevens Point—Science Building—Bd. Normal Regents plans, about $100,000.

Iowa, Cedar Rapids—Dormitory and Dining Hall—Coe College plans, 3-story and basement, fireproof, brick, stone and cement. About $100,000. E. L. Tilton, 52 Vanderbilt Ave., New York, Arch.

Iowa, Des Moines—School—Independent School Dist. receiving bids Dec. 5. A. L. Clinite, Secy. Noted Sept. 7

Iowa, Iowa City—Iowa University plans 2 buildings. About $100,000.

Iowa, Iowa City—School—City receiving bids Dec. 7. About $50,000. G. L. Lockhart, 120 West Washington St., Arch. Noted Oct. 12.

Iowa, Mallard—School—Consolidated School Dist. receiving bids Dec. 15 for 2-story, 70x112-ft. About $45,000. Martin & Hoskins, Storm Lake, Arch. Noted Oct. 5.

Minn., Duluth—Hospital—Lakeview Hospital Association plans, 4-story, 80x100-ft., fireproof, concrete. About $50,000. Shurick & Hausen, 400 Torrey Bldg., Arch.

Minn., Minneapolis—Great Northern Ry. plans to enlarge mail and express building on 1st St. About $65,000. A. H. Hogeland, St. Paul, Ch. Engr.

Minn., Minneapolis—Sanitorium—J. V. Koester, Arch., 315 Kasota Bldg., making plans, 2-story, 100x350-ft. About $500,000.

Minn., St. Paul—Hotel—Apartment Construction Co. plans, 12-story, brick and rein.-con. About $1,125,000

Minn., South St. Paul—City made plans for Carnegie Library and Community Building. About $40,000. F. H Elberlee, Endicott Bldg., St. Paul, Arch. Noted Oct. 26.

Minn., Wacomia—High School—School Dist. No. 44, Carver County, receiving bids Dec. 1. K. T. Snyder, Plymouth Bldg., Minneapolis, Arch. Noted Oct. 5.

Kan., Hugotan—Court House—Stevens County voted $60,000 bonds. Address Clk., Hugotan. Noted Oct. 26.

Kan., Neodesha—School—City election Nov. 28 to vote on $100,000 bonds. Noted Nov. 9.

Kan., Wichita—School—Bd. Education making plans for intermediate high school About $100,000. L. Schmidt, 120 North Market St., Arch. Noted Aug. 10.

Kan., Wichita—Jail—County Comrs. receiving bids about Dec. 15 for 6-story, 40x90-ft., brick, steel and rein.-con. About $100,000. Rose & Peterson, Barker Bl., Kansas City, Arch. Noted Nov. 2.

Neb., Havelock—High School—Bd. Education receiving bids Dec. 8 for 2-story, fireproof and brick. About $75,000. F. B. Young, Secy. W. F. Gernandt, 437 Keeline Bldg., Omaha, Engr. Noted Nov. 16.

Neb., Omaha—City receiving bids Dec. 7 for Clifton Hill Grade School, 45th and Maple St. About $110,000. F. W. & E. B. Clarke, Brandis Theater Bldg., Arch. Noted June 29.

Neb., Omaha—City receiving bids Dec. 7 for Yates School. W. T. Bourke, Secy., Bd. Education

Neb., Omaha—Field School—Bd. Education receiving bids Dec. 7. G. B. Prince, 1033 New Omaha National Bank Bldg., Arch. Noted Aug. 17.

Neb., Omaha—I. O. O. F. plans lodge building on Douglas St. About $50,000

S. D., Miller—(Official)—Courthouse and Jail—County defeated bonds. W. E. Morris, Miller, County Clk. Noted Oct. 12.

N. D., Minot—Hospital—Minot Hospital Association plans. About $250,000.

Wyo., Casper—Hotel—Midwest Hotel Co. plans 3-story addition. W. F. Henning, owner.

Mont., Deer Lodge—High School—Citizens voted $60,000 bonds.

Mont., Dillon—Hotel—H. E. Andrus making plans for 3-story, brick. About $100,000. Noted Nov. 9.

Mo., Cameron—Missouri Wesleyan College plans to rebuild Liberal Arts Building, destroyed by fire with loss of $65,000.

Mo., Joplin—J. Ferguson soon receives bids for 3-story, 75x100-ft. office building About $150,000. E. P. Madorie, 832 Reserve Bank Bldg, Kansas City, Arch.

Mo., Maryville—Hotel—Bankers Realty Investment Co., Bee Bldg., Omaha, plans to organize company to build hotel. About $100,000.

Mo., St. Louis—St. Mary's Mission of Episcopal Church plans new building at Hamilton and Ridge Ave. About $75,000.

Mo., St. Louis—City receiving bids Nov. 28 for children's building, 14th St. and Clark Ave. E. R. Kinsey, Pres., Bd. Pub. Ser

Tex., Austin—State Agricultural and Mechanical College receiving bids Nov. 29 for new building. About $75,000. Endress & Watkins, San Antonio, Arch.

Tex., Dallas—Church—Oak Cliff Christian Congregation receiving bids about Dec. 1 for 3-story 70x112-ft. About $40,000. Van Slyke & Woodruff, Ft. Worth, Arch. Noted June 15.

Tex., Paris—(Official)—School—School Bd. receives bids Nov. 29. About $150,000. Sanguinet & Staats, Ft. Worth, Arch. Noted Nov. 9

Tex., Paris—(Official)—High School—City receiving bids Nov. 27, 2-story. E. H. McCulstion, Mayor.

Tex., Waco—(Official)—Hotel—C. C. McBurnett receiving bids about Dec. 31. G. Burnett, Cameron Bldg., Arch.

Okla., Durant—Courthouse and Jail—Bryan County voted $100,000 bonds. Address County Clk., Durant. Noted Oct. 5.

Okla., Frederick—Court House—Tillman County voted $100,000 bonds. Address County Clk., Frederick. Noted Oct. 26.

Okla., Pawhuska—School—Citizens defeated $85,000 bonds.

Okla., Tulsa—Kendall College making plans for building. About $40,000. Schumacker & Atkinson, 520 Mayo Bldg., Arch.

Okla., Woodward—City Hall—Citizens voted $50,000 bonds. H. H. Alexander, City Clk. Noted Oct. 26.

Colo., Denver—E. D Groves, Arch., making plans for 10-story office building. About $500,000.

Wash., Seattle—High School—Bd. Education plans. About $1,083,000.

Ore., Portland—R. L. Glisan, Spalding Bldg., plans 3-story, 110x100-ft. business building at 10th and Burnside St. About $75,000

Calif., Chowchilla—High School—Citizens voted $50,000 bonds. Address Clk., School Bd.

Calif., Fresno—Scottish Rite Masons made plans for cathedral, Van Ness and Olive Ave. About $100,000. Address E. Wilbur.

Calif., Merced—High School—Bd. Education making plans. About $150,000 available. Allison & Allison, Hibernian Bldg., Los Angeles, Arch. Noted June 22.

Buildings (Continued)

Wis., Taycheedah—State Bd. Control, Madison, let contract administration building, at Industrial Home for Women, to APPLETON CONSTRUCTION CO., $54,832; cottage to IMMEL CONSTRUCTION CO., $62,919. Noted Oct. 26.

Iowa, Ida Grove—Hotel—Ida Grove Hotel Co. let contract, 3-story, 75x100-ft., to F. VAN ANTWERP CO., 219 McKnight Bldg., Minneapolis, Minn. About $40,000.

Iowa, Valley Junction—(Official)—High School—Bd. Education, Independent School Dist., let contract to W. F. KUCHARO & CO., Des Mones, $42,813. Noted Oct. 12.

Minn., Wawzata—Club House—Woodhill Country Club let contract, 2-story, 30x120-ft., to PIKE & COOK CO., 416 South 5th St., Wawzata. About $40,000.

Neb., Omaha—University of Omaha let contract building to P. KIEWIT & SONS, 256 Marcy St., about $50,000.

S. D., Veblen—Grade School—Indiana School Dist. let contract, 2-story, 60x80-ft., to F. A. HANCOCK, Morris, Minn. About $40,000.

Mo., Kansas City—Hospital—City received low bids for addition from J. E. Taylor, 711 Ridge Arcade, $69,980, steel frame, and $64,167 for rein.-con. frame. Noted Apr. 20.

Mo., Kansas City—Grinnell College Foundation let contract store and office building on McGee St. to M. CARROLL CO. About $85,000.

Mo., St. Louis—Church—Unitarian Congregation let contract, 2-story, 87x98-ft., to E. C. GERHARD CONSTRUCTION CO., Victoria Bldg., St. Louis. About $70,000.

Calif., Livermore—Hospital—Monson Bros., 1907 Bryan Bldg., San Francisco, submitted low bids for tuberculosis hospital, at $103,729.

Calif., San Francisco—Union Iron Works let contract 3-story office building to LARSON-SAMSON CO., Crocker Bldg., about $157,500.

Calif., Santa Clara—N. Sullivan let contract convent building to LARSON-SAMPSON CO., Crocker Bldg., San Francisco, about $102,700.

N. Y., New York—(Bronx)—(Official)—Conners Bros. Co., Inc., 64 West 88th St., Manhattan, at $146,450, low bidder completing and finishing construction of "Evander Childs High School," East 184th St. and Field Pl. Noted Nov. 16.

N. Y., Potsdam—School—State Normal and Training School rejected bids, 3-story, 170x280-ft. Noted Nov. 16.

N. J., Fairview—School—English Neighborhood School let contract to W. CRONE & SONS, 500 Central Ave., Jersey City. About $53,000.

N. J., Newark—Essex Construction Co., 85 Academy St., lowest bidder, $117,990, for police headquarters.

N. J., Ridgewood—High School—Bd. Education rejected bids. Noted Oct. 26.

Penn., Cresson—State Sanitarium for Tuberculosis let contract additions to F. G. STEWART. About $40,000. Noted Apr. 13.

W. Va., Huntington—High School—Bd. Education let contract to H. PERSUN, about $92,333.

W. Va., Huntington—Congregation of Fifth Ave. Baptist Church let contract building to LONGEST & TESSIER CO., Greensboro, about $97,000.

Ala., Mobile—Club House—Fidelia club let contract, Government and Wilkinson St., to JETTMUTHS CONSTRUCTION CO. About $50,000.

Ohio, Covington—German Mutual Fire Insurance Co. let contract office building, Pike St. and Madison Ave., to J. J. CRAIG. About $100,000.

Ind., South Bend—Hotel—Jefferson Hotel Co. let contract, 4-story, 56x165-ft., to be leased by Van Vokkenburg Bros., Plaza Hotel, Danville, to HOFFMAN CONSTRUCTION CO., Terre Haute. About $40,000. Noted Oct. 26.

Wis., Kenosha—Club House—B. P. O. E. No. 750 let contract to MICHIE CONSTRUCTION CO., 86 Michigan St., Milwaukee, about $100,000. Noted Nov. 16.

Calif., San Francisco—Theater—J. R. Sau[illegible] plans, south line Clement St.

Calif., Visalia—Visalia Elks Lodge plans [illegible] story. About $55,000. Swartz & Swartz, Visalia Arch.

Que., Montreal—Theater—Victoria Theatre Co. plans, about $200,000.

Que., Montreal—Church—Tres Saint Redempteur Congregation plans. Address Rev. J. N. Peossrion, 1860 Notre Dame St., E., Pastor.

Ont., Hamilton—Theater—L. Solman, care Royal Alexandra Theater, Toronto, making plans. About $200,000.

Ont., London—Sanitarium—London Health Association making plans, about $100,000. Watt & Blackwell, Bank of Toronto Bldg., Arch.

Ont., London—Hospital—London Health Association making plans for tuberculosis hospital, rein.-con. and brick. About $75,000. Watt & Blackwell, Bank of Toronto Bldg., Arch.

Ont., Trenton—High School—City soon receives bids, about $50,000. H. Mayhew, Chn., School Bd. W. G. Brown, Clyde Bldg., Arch.

Bids In and Contracts Awarded

Maine, Westbrook—Church and School—J. A. Culbert let contract, 2-story, to F. W. CUNNINGHAM & SON, 430 Congress St., Portland.

Mass., Cambridge—Trustees Cambridge Hospital let contract, 1- and 3-story additions, to GASCOIGNE & GODDARD CO., 19 Milk St., Boston.

Mass., Chelsea—School—City let contract, 3-story, 80x200-ft., to F. G. MacDONALD, 164 Dudley St., Roxbury Dist., Boston. About $175,000. Noted Oct. 19.

N. Y., New Hampton—(Official)—Dept. Correction let contract 4-story administration building to FRYMER & HANNA, 25 West 45th St., New York. Noted Oct. 26.

Spain Increases Cement Production—The production of hydraulic cements in Spain has of late increased considerably in order to supply the domestic demand, as imports have fallen off. There are now 9 plants devoted to the making of portland cement, 5 of which are of comparatively recent construction. At present about 350,000 tons of cement are produced annually, and arrangements are under way to bring the output to 500,000 tons. As the domestic consumption of cement amounts to some 450,000 tons annually, a margin will remain for export. In 1913 Spain imported over 90,000 tons of cement, lime of all kinds and puzzolana, while in 1915 this figure decreased to 21,000 tons. Over half of the supply of 1913 came from France and considerable quantities from Austria and England. Judging from the amount imported during the first half of 1916, the whole year will show a marked decrease compared with 1915. Natural cement was produced in Spain in 1914 to the amount of 255,000 tons. Sixty-one plants were in operation, 12 of which were in the Province of Barcelona, 11 in the Balearic Islands and 11 in Gerona, the remainder being in Guipuzcoa, Tarragona, Lerida, Valencia and Huesca, embracing altogether 218 kilns and employing 1,430 hands. Six plants, with 16 kilns and 1,092 hands, produced cements of the portland class yielding 219,000 tons.

Men Wanted to Study Foreign Markets—Ten suitable men are wanted by the Bureau of Foreign and Domestic Commerce to serve as trade commissioners and special agents. They are to investigate foreign markets for American goods and are to be paid a salary not to exceed $10 a day, with all transportation expenses paid and $4 a day extra for subsistence. Examinations to secure the best men will be held in the larger cities of each State on Dec. 6.

The investigations to be conducted by these men are of the greatest importance. They are considered an important step in preparing the country to retain and expand its newly won foreign markets. Men are wanted to undertake the following investigations: Motor vehicles in Russia and the Far East; investment opportunities in Russia; fancy groceries in South America; furniture in South America; metal-working machinery and prime movers in Russia; metal-working machinery and prime movers in Brazil; jewelry and silverware in South America; hardware in Africa, the near East and India; ports and transportation facilities in Russia and the Far East; mineral resources in the Far East.

The duties of appointees to these positions will be to obtain information concerning the demand in foreign markets for the particular commercial line which they are to study, and to present the data obtained in straightforward, readable reports, which will enable American manufacturers and exporters to plan campaigns for the sale of American goods in the markets investigated. Applicants for the South American investigations will be expected to know Spanish and extra credit will be given for Portuguese. For work in Brazil, Portuguese is considered especially desirable. In the investigations including Russia, French is required and an extra credit given for Russian. No foreign language is required for the hardware investigation in Africa, the near East and India, nor for the investigation of the mineral resources in the Far East. No person will be admitted to any of these examinations who has not had previous training which would qualify him as an expert in the particular line to be investigated. This means substantial and responsible experience. An oral test will be given at Washington or some other city before final appointments are made and only those who pass successfully the written examination on Dec. 6 will be asked to present themselves.

Persons who meet the requirements and desire this examination should at once apply for Form 375, stating the title of the examination for which the form is desired, to the United States Civil Service Commission, Washington, D. C.; the secretary of the United States Civil Service Board, post office, Boston, Mass., Philadelphia, Penn., Atlanta, Ga., Cincinnati, Ohio, Chicago, Ill., St. Paul, Minn., Seattle, Wash., San Francisco, Calif.; custom house, New York, N. Y., New Orleans, La.; or old custom house, St. Louis, Mo. Applications should be properly executed and filed with the Commission at Washington in time to arrange for the examination.

Warehouse Facilities are taken up in an interesting manner by the National City Bank of New York in its November publication, from which the following is an abstract: "Memphis was one of the first cities to have good warehouse facilities, the warehouses of the Memphis Terminal Corporation having been opened in 1913. The plant of this corporation covers an area of 170 acres. The buildings are of concrete, equipped with the most extensive sprinkler system in the world, and served by 10 mi. of terminal railway. An overhead monorail system, built on a slight incline, enables one man and a mule to move 4,000 bales of cotton an average distance of ½ mi. daily. This is said to be equal to the work of 100 men, 100 mules and 100 drays under former conditions, when cotton was carted to and from storage houses. The risk of fire is reduced to the minimum, the lowest insurance rates are obtained, and the receipts of the Terminal Corporation are as first-class collateral for loans.

"Another splendid warehousing and terminal system is under development at New Orleans. This system is constructed and operated by the Board of Commissioners of the Port of New Orleans, a public body created under the laws of Louisiana. The plant occupies frontage on the Mississippi River, near the heart of the city, and includes concrete and steel warehouses, a million-bushel grain elevator, wharf houses at which both river and ocean steamers may load and unload, 20 mi. of railroad yards with storage capacity for 2,000 cars, and a belt line of railway giving connection with all the main lines of railway entering the city. Here is a complete coördination of all the agencies of transportation, with ample capacity for storage and complete facilities for handling. Runways and cranes connect every part of the structure, and compressers reduce cotton in transit to the smallest bulk, securing the lowest freight and insurance rates. All weighers, inspectors and samplers of coton are appointed by the New Orleans Cotton Exchange and represent that body. The total public investment in this system is approximately $5,000,000. Before the designs were adopted the latest terminals in New York, Philadelphia, Boston, Liverpool, London, Havre, Hamburg and other ports were studied. Work was begun early in 1915 and a portion of the terminal is now in use. The plan is to provide not only for the storage of the outgoing commodities like cotton and grain, but for coffee, jite, sisal and other standard package commodities.

"The Port of Seattle is a municipal district created by the legislature of the State of Washington, under the management of a Board of Commissioners, and this board has constructed since 1913 six public terminals, including transit sheds, wharves, storage warehouses, grain elevators, etc., fully equipped with all service apparatus at a cost of $6,000,000. They are of the modern fireproof type, and fortunately were partly completed in time to accommodate the flood of trans-Pacific freight moving through Seattle to Vladivostock, and return cargoes from the Orient. A seven-story concrete convertible fruit warehouse and cold storage, capacity 800 cars, and the fresh fish cold-storage plant, 2,000,000 lb. capacity, are nearing completion. The last report of the commission says that the warehouses have been practically filled as fast as completed, 'their peculiar appeal being fair charges, absolute protection to goods, efficient service, freedom from partiality as to railroads, steamships, transfer men or shippers, and the speed and low cost of interchange of commodities due to splendid physical arrangements and latest handling devices. For instance, salmon to the value of over six million dollars has been handled in the present season at two public terminals.'

"The Candler warehouses, which are at Atlanta, are of the most approved type and already represent an investment of $1,000,000, with plans for extensions. This location is in the heart of a great cotton-producing district, and is bound to be of great value to the producers in providing a safe, cheap place of storage, which can be used by them and by local dealers. With such accommodations the South will be able to withhold its cotton crop from the market in the crowded fall season and sell it during the year as it is wanted by the consumers.

"Several of the Southern States within the last 2 years have passed acts providing for bonded public warehouses, and the last appropriation act passed by Congress for the support of the Department of Agriculture at Washington creates a system of warehouse license and inspection under that department. The licensee is required to give bond in such terms and conditions as the Secretary of Agriculture may prescribe, including the requirements of fire insurance, for the protection of those depositing commodities in his care.

"All of these provisions help to perfect the organization and equipment by which commodities are moved from producers to consumers, reduce the risks and cost, and therefore are to be welcomed."